

Arlington Menotomy Fountain Rehabilitation

Winfield Robbins Memorial Garden

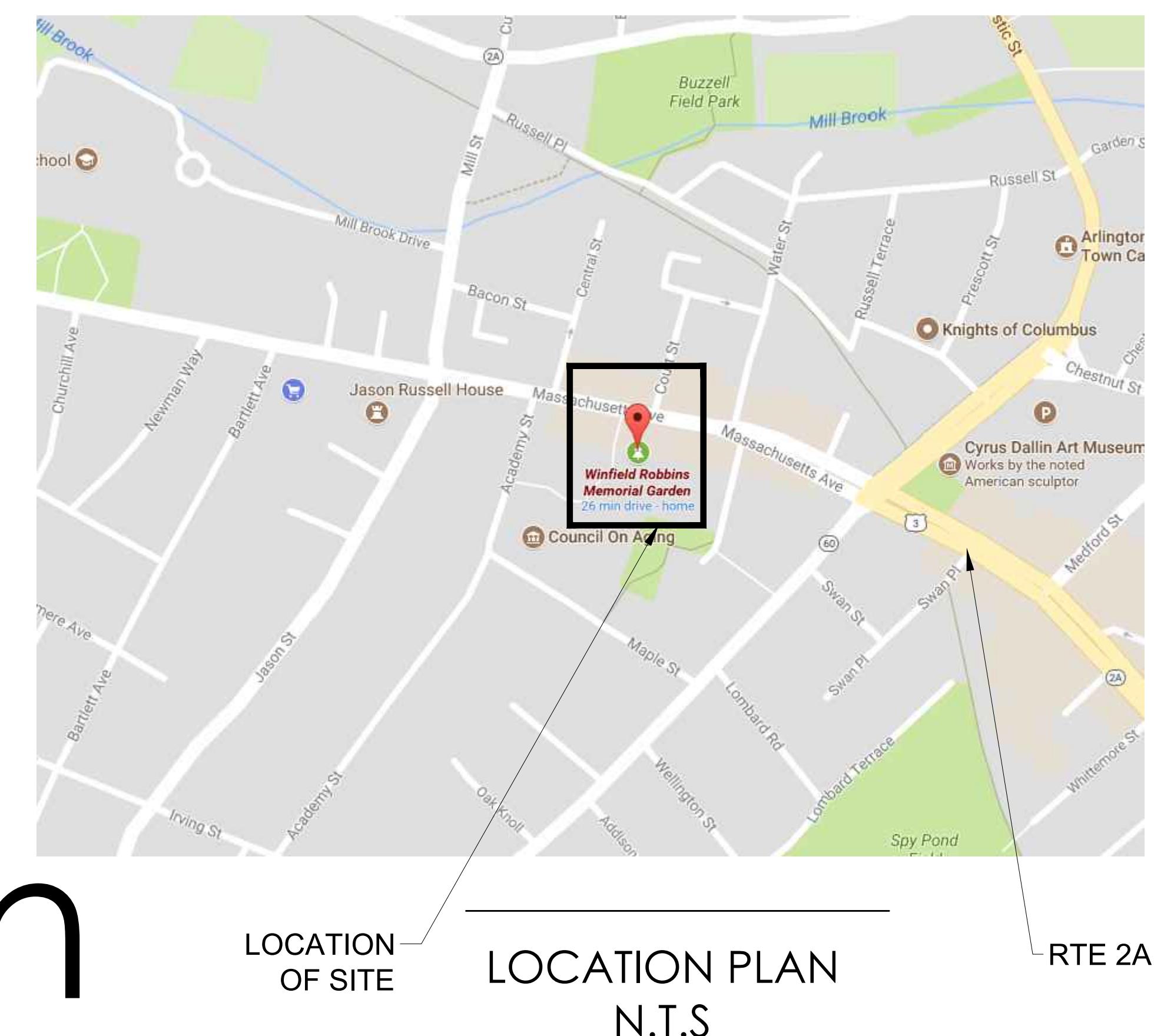
700 Massachusetts, Arlington, MA 02476

FOUNTAIN REHABILITATION CONSTRUCTION DOCUMENTS

03/02/18

Weston & SampsonSM

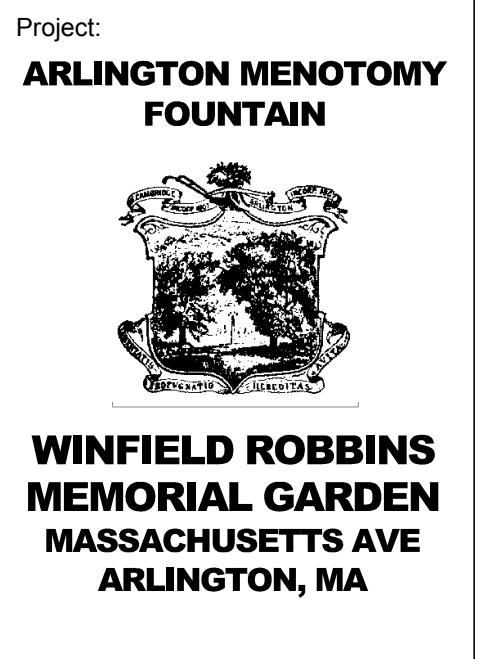
85 DEVONSHIRE STREET, BOSTON, MA 02109
Tel. (617)-412-4480 (800)-SAMPSON
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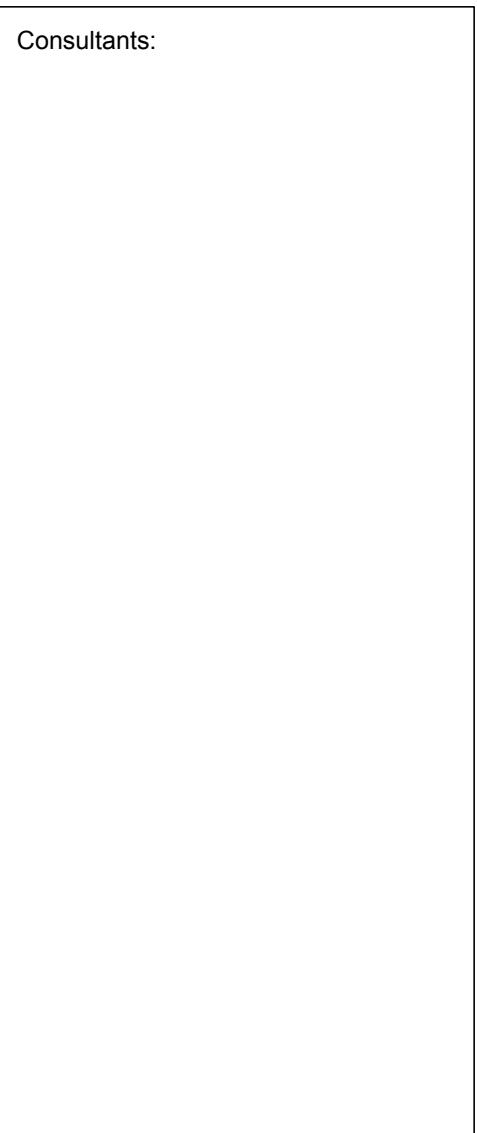
LOCATION PLAN

N.T.S.

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The logo for Weston & Sampson. The word "Weston" is on the left in a bold, black, sans-serif font. A large, thin-lined circle surrounds the ampersand "&". To the right of the circle, the word "Sampson" is written in a bold, black, sans-serif font. A small "TM" symbol is located in the top right corner of the "Sampson" text.



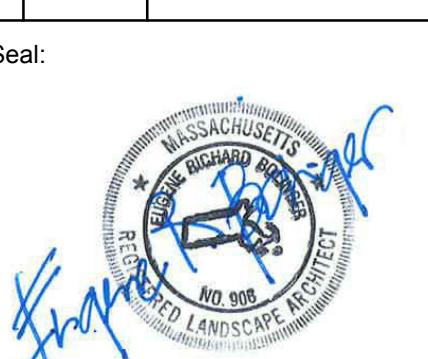
CONSTRUCTION DOCUMENTS

Drawing Title:

Sheet Number:
COVER

<p>DESIGN CODE COMPLIANCE:</p> <p>NATIONAL ELECTRICAL CODE(NFPA 70)..... MASSACHUSETTS BUILDING CODE - 9TH EDITION..... 248 CMR 10, MASSACHUSETTS FUEL GAS AND PLUMBING CODE..... 527 CMR 12, MASSACHUSETTS ELECTRICAL CODE.....</p> <p>2011 2015 2017 2017</p> <p>ENGINEER SEAL:</p> <p>1. THESE DRAWINGS HAVE BEEN PREPARED FOR EXCLUSIVE USE FOR THE CLIENT AND ARE NOT INTENDED FOR ANY OTHER PURPOSE. TO THE BEST OF MY KNOWLEDGE, THESE DRAWINGS MEET THE REQUIREMENTS SET FORTH BY THE MASSACHUSETTS BUILDING DEPARTMENT</p> <p>2. THE FOUNTAIN THAT IS INCORPORATED INTO THESE DRAWINGS MUST BE CONSTRUCTED IN STRICT ACCORDANCE WITH THE APPROVED DRAWINGS. ALL CHANGES MUST HAVE WRITTEN APPROVAL FROM WESTON & SAMPSON PRIOR TO SUCH CHANGE OR ALTERATION BEING IMPLEMENTED.</p> <p>3. ONLY DRAWINGS FROM WESTON & SAMPSON THAT ARE MARKED "FOR CONSTRUCTION" AND WITH THE DOH APPROVAL NUMBERS AND APPROVAL DATES AFFIXED SHALL BE USED FOR THE FOUNTAIN CONSTRUCTION IMPLEMENTATION.</p> <p>4. THE SIGNIFICANCE HAS BEEN PREVIOUSLY DEFINED IN THE STATE AND/OR NATIONAL REGISTRY OF HISTORIC PLACES. THE INTEGRITY IS DEFINED IN THE U.S. DEPARTMENT OF THE INTERIOR'S SECRETARY OF THE INTERIOR'S STANDARDS FOR THE TREATMENT OF HISTORIC PROPERTIES AND THE GUIDELINES FOR THE TREATMENT OF CULTURAL LANDSCAPES AS, "THE AUTHENTICITY OF A PROPERTY HISTORIC IDENTITY, EVINced BY THE SURVIVAL OF PHYSICAL CHARACTERISTICS THAT EXISTED DURING THE PROPERTY'S HISTORY PERIOD. THE SEVEN QUALITIES OF INTEGRITY AS DEFINED BY THE NATIONAL REGISTER PROGRAM ARE LOCATION, SETTING, FEELING, ASSOCIATION, DESIGN, WORKMANSHIP, AND MATERIALS".</p> <p>GENERAL CONSTRUCTION REQUIREMENTS:</p> <p>1. REFER TO THE FOUNTAIN DRAWINGS FOR FINISHING SURFACING MATERIALS FOR WALLS, FLOOR, AND COPING. FINISH COLORS, AND MATERIALS ARE SPECIFIED IN THESE DRAWINGS. THE INTERIOR SURFACE SHALL BE IDENTICAL TO CORE SAMPLES REMOVED FROM THE EXISTING STRUCTURE. INTERIOR SURFACES SHALL BE APPROVED BY ENGINEER OWNER AND HISTORICAL SOCIETY. CORE AND SLAB SAMPLES SHALL BE AVAILABLE ON SITE THROUGHOUT THE DURATION OF THE PROJECT.</p> <p>2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE FILLING OF THE FOUNTAIN, BALANCING THE WATER, AND STARTING UP THE EQUIPMENT, UNTIL FORMAL ACCEPTANCE BY OWNER. CONTRACTOR IS RESPONSIBLE FOR THE PROPER WINTERIZATION OF THE FOUNTAIN AFTER ITS FIRST FULL SEASON. CONTRACTOR IS RESPONSIBLE FOR STARTUP FOR ITS FIRST FULL SEASON.</p> <p>3. CONTRACTOR SHALL PROVIDE DETAIL INSTRUCTIONS ON OPERATING THE EQUIPMENT, AND SHALL VIDEO TAPE THE ENTIRE TRAINING SESSION.</p> <p>4. DUE TO THE SPECIALITY NATURE OF THE WORK, CONTRACTOR SHALL MEET THE REQUIREMENTS SET FORTH IN SPECIFICATION SECTION 01 14 00 - SPECIAL PROVISIONS.</p> <p>DEFINITIONS:</p> <p>1. CONTRACTOR: PERSON OR ENTITY AUTHORIZED TO CONSTRUCT, INSTALL AND OPERATE A FOUNTAIN AND THEIR APPURTENANCES, AND MAINTAIN PROPER LICENSES TO DO SO.</p> <p>2. CRITICAL: THIS WORD DESCRIBES DIMENSIONS THAT SHALL NOT BE SUBJECT TO DEVIATION OR ERRORS FOR ANY REASON. VIOLATION OF A CRITICAL DIMENSION MIGHT SUBJECT THE FOUNTAIN TO A POTENTIAL VARIANCE ACTION OR A PERMANENT WITHHOLDING OF A FUTURE OPERATING CERTIFICATE. WESTON & SAMPSON CONSIDERS ALL DIMENSIONS CONTAINED WITH THE DRAWINGS AS VITAL; HOWEVER, THE WORD CRITICAL IS ADDED TO ATTRACT THE ATTENTION OF THE CONTRACTOR.</p> <p>3. PROVIDE: OBTAIN, PURCHASE, SUPPLY, INSTALL AND WARRANTY COMPLETELY IN ACCORDANCE WITH ALL CODES, RULES, REGULATIONS AND THE REQUIREMENTS OF THE DRAWINGS AND TECHNICAL SPECIFICATIONS.</p> <p>PIPING INSTALLATION REQUIREMENTS:</p> <p>1. ALL PIPING SHALL BE SCHEDULE 80 PVC. ALL PIPING SHALL BE STAMPED WITH THE MANUFACTURER'S MARKING THAT IT IS APPROVED FOR USE WITH POTABLE WATER (NSF-PW). PLASTIC PIPE EXPOSED TO SUNLIGHT SHALL BE COATED WITH EPOXY PAINT FOR UV PROTECTION.</p> <p>2. THE PIPING DIAGRAMS AND SIZES SHOWN IN THESE DRAWINGS SHALL BE FOLLOWED WITHOUT EXCEPTION UNLESS WRITTEN AUTHORIZATION FROM THIS ENGINEER IS PROVIDED.</p> <p>3. ALL FOUNTAIN PERIMETER PIPING SHALL BE PLACED AS CLOSE TO THE FOUNTAIN BEAM AS POSSIBLE.</p> <p>4. THE PIPING SYSTEMS INDICATED IN THESE DRAWINGS ARE SHOWN IN A DIAGRAMMATIC VIEW ONLY. THE CONTRACTOR SHALL PROVIDE ALL PIPING AND FITTINGS REQUIRED FOR THE COMPLETE INSTALLATION.</p> <p>5. THE CONTRACTOR SHALL PROVIDE AND COMPLY WITH ALL PIPING INSPECTIONS THAT MAY BE REQUIRED BY ENGINEER AND OWNER.</p> <p>6. THE CONTRACTOR SHALL PROVIDE PIPE HANGER DETAILS TO THIS ENGINEER FOR WRITTEN APPROVAL PRIOR TO THE INSTALLATION.</p> <p>7. THE MAIN DRAIN PIPING SHALL BE INSTALLED TO COMPLY WITH THE FOLLOWING REQUIREMENTS: A. THE MAIN DRAIN GRAVITY FLOW PIPE SHALL HAVE A SLOPE DOWNWARD TOWARD THE COLLECTOR TANK. B. AT NO POSITION SHALL THE MAIN DRAIN PIPING CHANGE SLOPES SO AS TO ALLOW AN AIR POCKET OR TRAP TO OCCUR. C. ANY MODIFICATION TO THIS INSTALLATION PROCEDURE MAY RENDER THE MAIN DRAIN PIPING INOPERATIVE.</p> <p>8. THE STATIC PIPING SHALL BE INSTALLED TO COMPLY WITH THE FOLLOWING REQUIREMENTS: A. THE STATIC PIPING SHALL BE INSTALLED SO AS TO ALLOW THE STATIC PIPE TO HAVE A SLOPE DOWNWARD TOWARD THE COLLECTOR TANK OR TO FOUNTAIN. B. ANY MODIFICATION TO THIS INSTALLATION PROCEDURE MAY RENDER THE STATIC PIPING INOPERATIVE.</p> <p>9. PIPING PRESSURE TESTING SHALL BE COORDINATED BY THE FOUNTAIN CONTRACTOR AND SHALL BE INCLUDED IN HIS COST. THE ENGINEER SHALL BE ONSITE DURING PRESSURE TESTING. ALL PIPING SHALL CONFORM TO ACCEPTED WORKMANSHIP STANDARDS AND SHALL BE TESTED AS FOLLOWS: A. ALL PIPING MUST BE TESTED BY MEANS OF WATER PRESSURE. B. GRAVITY PIPING SHALL BE TESTED TO 10 PSI. B.1. GRAVITY PIPING SHALL BE DEFINED AS MAIN DRAIN PIPING, CUTTER DRAINAGE PIPING, AUTO FILL PIPING OR SENSING PIPING, OR ANY PIPING WHICH SHALL NOT HAVE FLOW VELOCITIES THAT EXCEED 3 FEET PER SECOND. C. PRESSURE PIPING SHALL BE TESTED TO 50 PSI. C.1. PRESSURE PIPING SHALL BE DEFINED AS PUMP SUCTION PIPING, AND ANY PIPING AFTER THE PUMP DISCHARGE, OR ANY PIPING WHICH WILL HAVE FLOW VELOCITIES EXCEEDING 3 FEET PER SECOND.</p> <p>10. EXTEND ALL PIPING TO ITS SPECIFIC FILTRATION SYSTEM OR COLLECTOR TANK. DO NOT CONNECT THE PIPING TO THE FILTRATION SYSTEM UNTIL THE DECKING IS IN PLACE AND THE PRESSURE-TEST IS COMPLETED, APPROVED, AND REMOVED FROM THE PIPING.</p>						<p>ABBREVIATIONS:</p> <p>AC ASBESTOS CEMENT PIPE ACCMP ASPHALT COATED ARV AIR RELEASE VALVE ASTM AMERICAN SOCIETY FOR TESTING AND MATERIALS BC BITUMINOUS CONCRETE BIT BITUMINOUS BLDG BUILDING BM BENCH MARK BO BLOW OFF BV BUTTERFLY VALVE CATV CABLE TELEVISION CB CATCH BASIN CC CONCRETE CURB CI CAST IRON CL CENTERLINE CMP CEMENT LINED CONCRETE CU FT CUBIC FEET CY CUBIC YARD D STORM DRAIN DI DROP INLET, DUCTILE IRON DIA DIAMETER DMH DRAIN MANHOLE DWG DRAWING EA EACH EF EACH FACE ELEV ELEVATION EOP EDGE OF PAVEMENT EW EACH WAY EXIST EXISTING FLG FLANGE FT FEET, FOOT G NATURAL GAS GR GRANITE GALV GALVANIZED HC HOUSE CONNECTION GC GRANITE CURB HORIZ HORIZONTAL HP HIGH PRESSURE HYD FIRE HYDRANT INV INVERT ID INSIDE DIAMETER IP IRON PIPE LB POUND LF LINEAR FEET LS LUMP SUM MAX MAXIMUM MB MAIL BOX MECH MECHANICAL MH MANHOLE MIN MINIMUM MISC MISCELLANEOUS MJ MECHANICAL JOINT N NORTH NE NORTH EAST NW NORTH WEST NF NOT FOUND NO OR # NUMBER OD OUTSIDE DIAMETER PCCP PRESTRESSED CONCRETE PE PLAIN END, POLYETHYLENE PL PROPERTY LINE PL PLATE PVC POLYVINYL CHLORIDE PVMT PAVEMENT RCP REINFORCED CONCRETE PIPE ROW RIGHT-OF-WAY RQD ROCK QUALITY S SEWER SE SOUTH EAST SECT SECTION SF SQUARE FEET SHT SHEET SPEC SPECIFICATIONS SQ FT SQUARE FEET SS SEWER SERVICE STA STATION STL STEEL SW SIDEWALK, SOUTH WEST T HYDROSTATIC THRUST, TELEPHONE TBM TEMPORARY BENCH MARK TH THRESHOLD THK THICK (NESS) TYP TYPICAL UP UTILITY POLE VC VITRIFIED CLAY VERT VERTICAL W WATER, WEST W/ WITH W/O WITHOUT</p> <p>Consultants:</p> <p>85 Devonshire Street, 3rd Floor, Boston, MA 02109 617.412.4480 800.SAMPS www.westonandsampson.com</p> <p>Revisions:</p> <table border="1"> <thead> <tr> <th>Rev</th> <th>Date</th> <th>Description</th> </tr> </thead> <tbody> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> </tbody> </table> <p>Seal:</p> <p>CONSTRUCTION DOCUMENTS</p> <p>Date: 03/02/2018 Scale: AS NOTED Drawn By: KTE/SAA Reviewed By: MPM Checked By: TMS Approved By: JFB</p> <p>Drawing Title: GENERAL NOTES</p> <p>Sheet Number: 1</p> <p>NOTES</p>					Rev	Date	Description																					
Rev	Date	Description																																

Revisions:		
Rev	Date	Description



CONSTRUCTION DOCUMENTS

Date: 03/02/2018
Scale: AS NOTED
Drawn By: DYF
Reviewed By: MPM
Checked By: TMS, BMK
Approved By: JFB

Drawing Title:
**SITE PREPARATION
AND DEMOLITION
PLAN**

Sheet Number:

L1.00

LEGEND

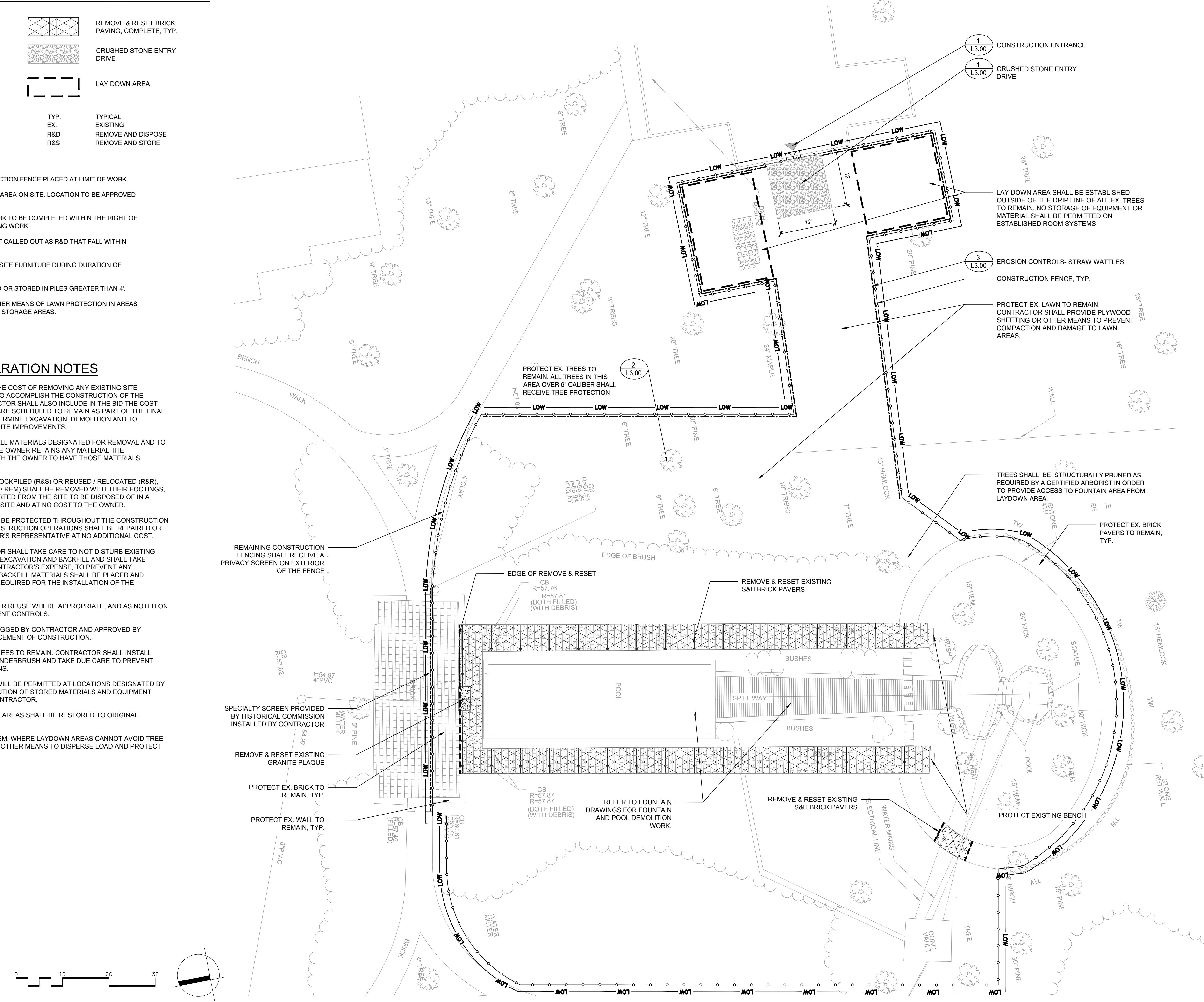
LOW	LIMIT OF WORK
- - -	EDGE OF REMOVE AND RESET
- - -	EROSION CONTROLS- STRAW WATTLES
— — —	CONSTRUCTION FENCE, TYP.
— — —	CONSTRUCTION ENTRANCE
— — —	CRUSHED STONE ENTRY DRIVE
— — —	LAY DOWN AREA
TYP. EX. R&D R&S	TYPICAL EXISTING REMOVE AND DISPOSE REMOVE AND STORE

NOTES:

1. CONTRACTOR SHALL PROVIDE 6' HIGH CONSTRUCTION FENCE PLACED AT LIMIT OF WORK.
2. CONTRACTOR MUST PROVIDE TRUCK WASH OUT AREA ON SITE. LOCATION TO BE APPROVED BY OWNER.
3. CONTRACTOR MUST NOTIFY OWNER OF ANY WORK TO BE COMPLETED WITHIN THE RIGHT OF WAY FORTY-EIGHT HOURS PRIOR TO COMMENCING WORK.
4. CONTRACTOR SHALL PROTECT ALL UTILITIES NOT CALLED OUT AS R&D THAT FALL WITHIN LIMIT OF WORK.
5. CONTRACTOR SHALL PROTECT AND SHIELD ANY SITE FURNITURE DURING DURATION OF CONSTRUCTION ACTIVITY.
6. STOCKPILED SOIL SHALL NOT TO BE COMPACTION OR STORED IN PILES GREATER THAN 4'.
7. CONTRACTOR SHALL PROVIDE PLYWOOD OR OTHER MEANS OF LAWN PROTECTION IN AREAS EQUIPMENT WILL TRAVERSE, AND LAYDOWN AND STORAGE AREAS.

DEMOLITION & SITE PREPARATION NOTES

1. THE CONTRACTOR SHALL INCLUDE IN THE BID THE COST OF REMOVING ANY EXISTING SITE FEATURES AND APPURTENANCES NECESSARY TO ACCOMPLISH THE CONSTRUCTION OF THE PROPOSED SITE IMPROVEMENTS. THE CONTRACTOR SHALL ALSO INCLUDE IN THE BID THE COST NECESSARY TO RESTORE SUCH ITEMS IF THEY ARE SCHEDULED TO REMAIN AS PART OF THE FINAL SITE IMPROVEMENTS. REFER TO PLANS TO DETERMINE EXCAVATION, DEMOLITION AND TO DETERMINE THE LOCATION OF THE PROPOSED SITE IMPROVEMENTS.
2. THE OWNER RESERVES THE RIGHT TO REVIEW ALL MATERIALS DESIGNATED FOR REMOVAL AND TO RETAIN OWNERSHIP OF SUCH MATERIALS. IF THE OWNER RETAINS ANY MATERIAL THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE OWNER TO HAVE THOSE MATERIALS REMOVED OFF SITE AT NO ADDITIONAL COST.
3. UNLESS SPECIFICALLY NOTED TO BE SAVED / STOCKPILED (R&S) OR REUSED / RELOCATED (R&R), ALL SITE FEATURES CALLED FOR REMOVAL (R&D/REM) SHALL BE REMOVED WITH THEIR FOOTINGS, ATTACHMENTS, BASE MATERIAL, ETC., TRANSPORTED FROM THE SITE TO BE DISPOSED OF IN A LAWFUL MANNER AT AN ACCEPTABLE DISPOSAL SITE AND AT NO COST TO THE OWNER.
4. ALL EXISTING SITE FEATURES TO REMAIN SHALL BE PROTECTED THROUGHOUT THE CONSTRUCTION PERIOD. ANY FEATURES DAMAGED DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST.
5. DURING EARTHWORK OPERATIONS, CONTRACTOR SHALL TAKE CARE TO NOT DISTURB EXISTING MATERIALS TO REMAIN OUTSIDE THE LIMITS OF EXCAVATION AND BACKFILL AND SHALL TAKE WHATEVER MEASURES NECESSARY, AT THE CONTRACTOR'S EXPENSE, TO PREVENT ANY EXCAVATED MATERIAL FROM COLLAPSING. ALL BACKFILL MATERIALS SHALL BE PLACED AND COMPACTION AS SPECIFIED TO THE SUBGRADE REQUIRED FOR THE INSTALLATION OF THE REMAINDER OF THE CONTRACT WORK.
6. STRIP & STOCKPILE EXISTING TOPSOIL FOR LATER REUSE WHERE APPROPRIATE, AND AS NOTED ON PLAN, WITH APPROPRIATE EROSION AND SEDIMENT CONTROLS.
7. TREES DESIGNATED FOR REMOVAL SHALL BE TAGGED BY CONTRACTOR AND APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF CONSTRUCTION.
8. THE CONTRACTOR SHALL PROTECT EXISTING TREES TO REMAIN. CONTRACTOR SHALL INSTALL TREE PROTECTION BARRIER AFTER CLEARING UNDERBRUSH AND TAKE DUE CARE TO PREVENT INJURY TO TREES DURING CLEARING OPERATIONS.
9. THE STORAGE OF MATERIALS AND EQUIPMENT WILL BE PERMITTED AT LOCATIONS DESIGNATED BY OWNER OR OWNER'S REPRESENTATIVE. PROTECTION OF STORED MATERIALS AND EQUIPMENT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. ALL CONSTRUCTION ENTRANCES AND LAYDOWN AREAS SHALL BE RESTORED TO ORIGINAL CONDITIONS.
11. LAYDOWN AREA SHALL AVOID TREE ROOT SYSTEM. WHERE LAYDOWN AREAS CANNOT AVOID TREE ROOTS, CONTRACTOR SHALL USE PLYWOOD OR OTHER MEANS TO DISPERSE LOAD AND PROTECT TREE ROOT SYSTEM.



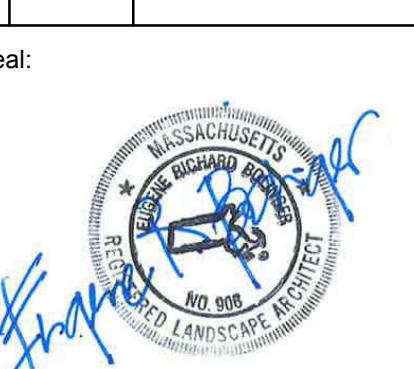


**WINFIELD ROBBINS
MEMORIAL GARDEN
MASSACHUSETTS AVE
ARLINGTON, MA**

Weston & Sampson

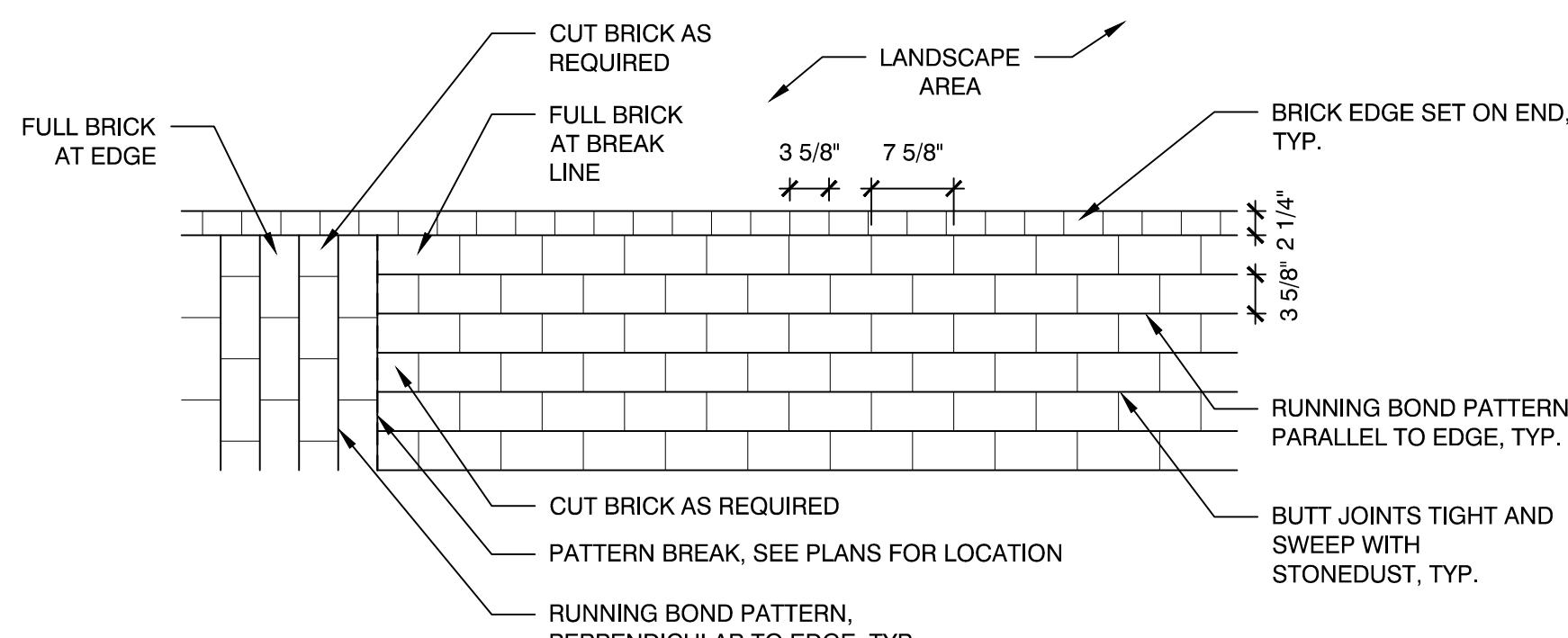
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consultants:



PAVING PATTERN ENLARGEMENT

SCALE: N.T.S.

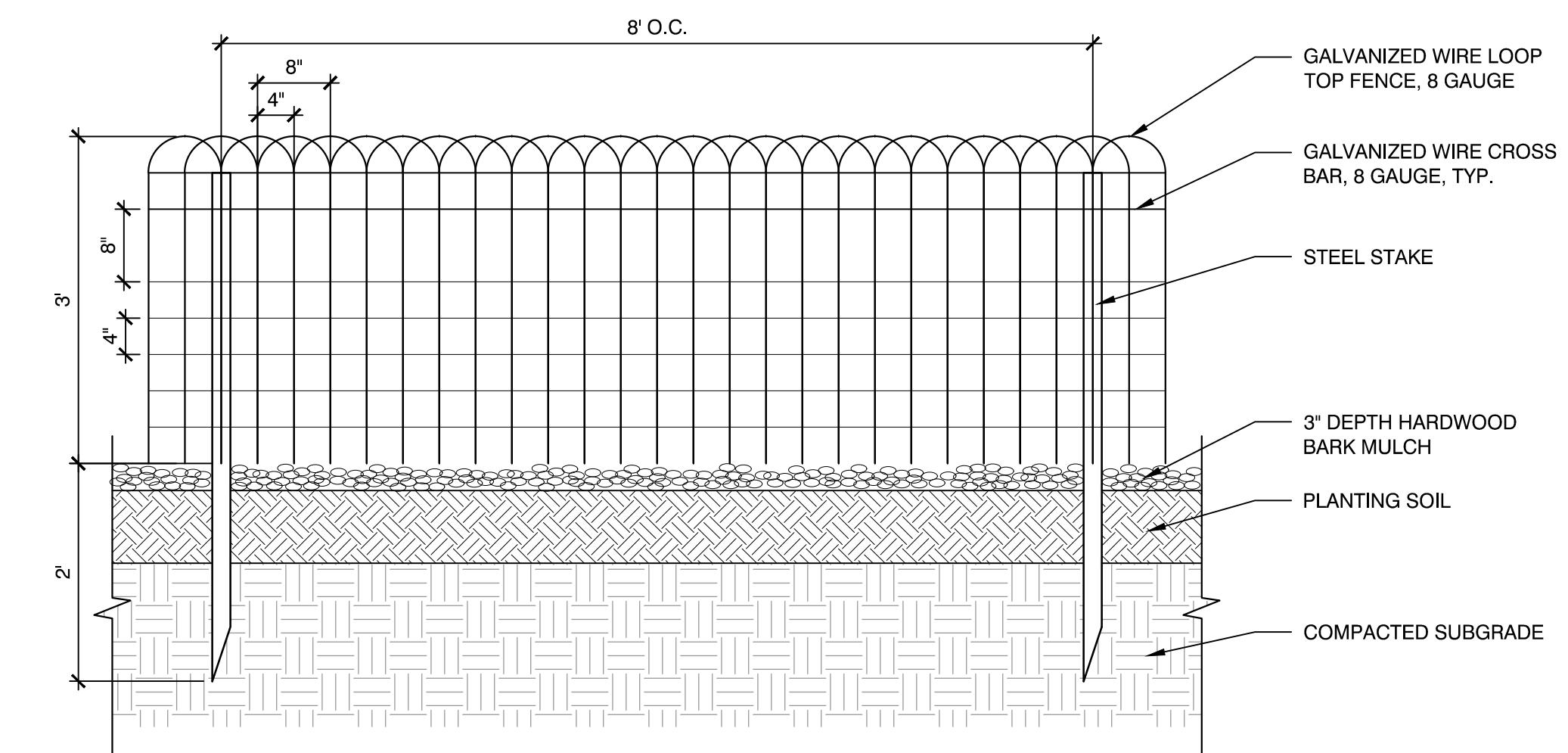


PAVING PATTERN AT RESET PLAQUE

SCALE: N.T.S.

3 DECORATIVE TEMPORARY PLANTING FENCE ALT #1

3



LEGEND

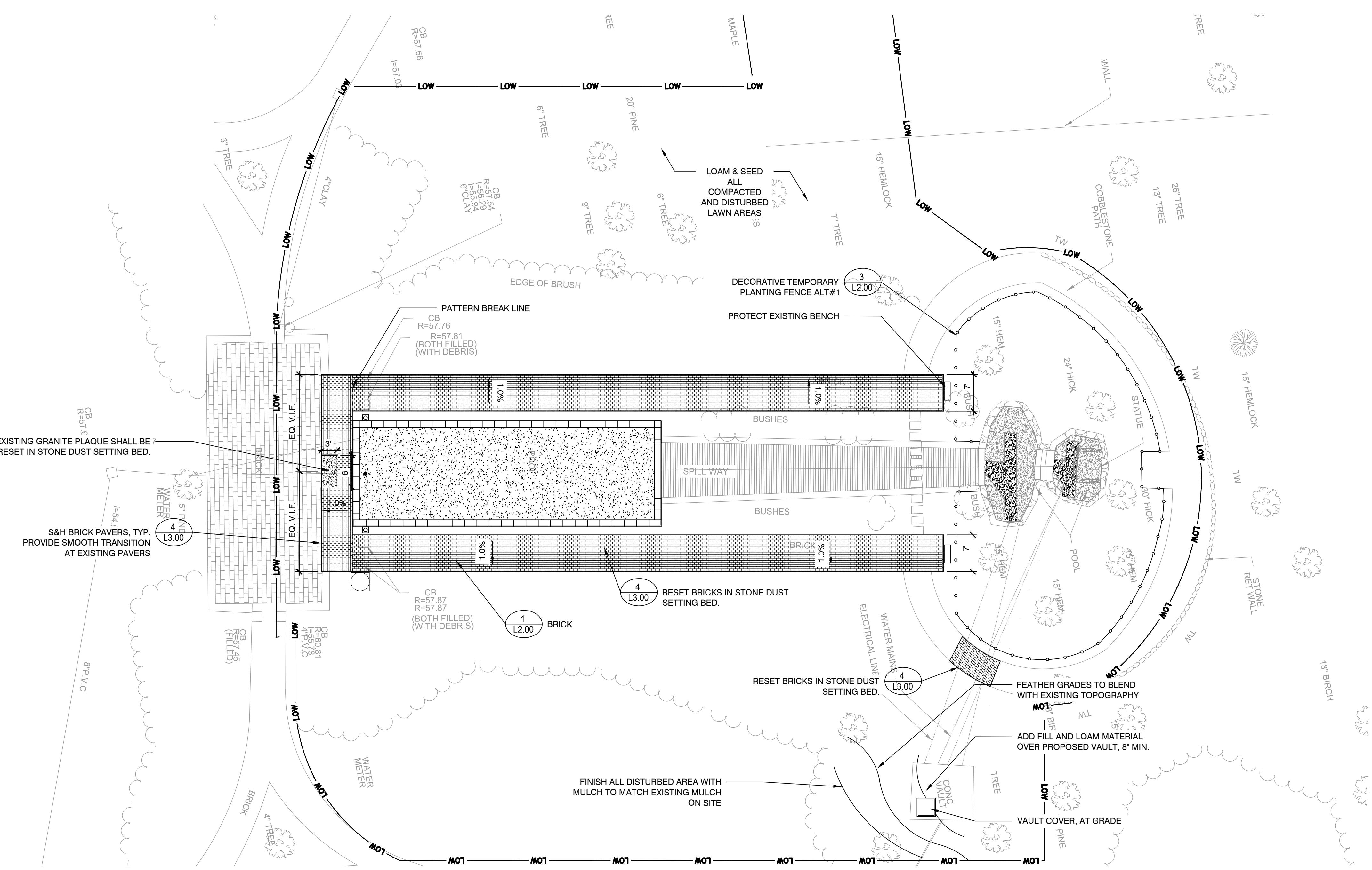
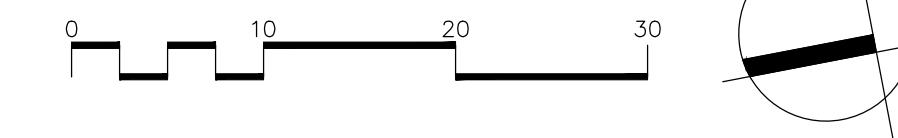
The drawing illustrates the following site conditions and materials:

- LOW**: A horizontal line at the top left.
- LIMIT OF WORK**: A label at the top center.
- BRICK PAVER, TYP.**: A label with a sample image of a brick paver pattern.
- DECORATIVE TEMPORARY PLANTING FENCE**: A label with a sample image of a decorative fence.
- EXISTING TREE TO REMAIN, TYP.**: A label with a sample image of a tree.

Callouts provide specific dimensions: 2' width for the brick paver and 1" diameter for the tree trunk.

MATERIALS NOTES

1. COORDINATE ALL LAYOUT ACTIVITIES WITH THE SCOPE OF WORK CALLED FOR BY DEMOLITION, GRADING AND UTILITIES OPERATIONS ENCOMPASSED BY THIS CONTRACT. SET, PROTECT AND REPLACE REFERENCE STAKES AS NECESSARY OR AS REQUIRED BY THE OWNER'S REPRESENTATIVE.
 2. THE LAYOUT OF SITE AMENITIES AND FENCES MUST BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. SOME ITEMS MAY "NOT BE IN CONTRACT" AND SHOWN FOR LOCATION REFERENCE ONLY.
 3. ALL PROPOSED SITE FEATURES SHALL BE LAID OUT AND STAKED FOR REVIEW AND APPROVAL BY THE OWNER'S REPRESENTATIVE OR HISTORICAL COMMISSION PRIOR TO COMMENCEMENT OF INSTALLATION. ANY REQUIRED ADJUSTMENTS TO THE LAYOUT SHALL BE UNDERTAKEN AS DIRECTED, AT NO ADDITIONAL COST TO THE OWNER.
 4. HISTORICAL COMMISSION SHALL APPROVE STONE DUST COLOR PRIOR TO INSTALLATION.
 5. IF REPLACEMENT BRICKS ARE REQUIRED, THEY SHALL BE AN EXACT RESEMBLANCE TO THE EXISTING BRICK. CONTRACTOR SHALL CARRY AN ALLOWANCE OF 50SF FOR REPLACEMENT BRICK. REPLACEMENT BRICK SHALL BE WELL BLENDED INTO THE WALKWAY.
 6. CONTRACTOR SHALL MATCH THE LAYOUT AND PATTERN OF THE EXISTING BRICK WALKWAY. CONTRACTOR SHALL DOCUMENT EXISTING CONDITIONS AS REQUIRED.
 7. A 3FT X 3FT BRICK WALKWAY MOCK UP SHALL BE PERFORMED PRIOR TO INSTALLATION. THE MOCKUP SHALL INCLUDE STONE DUST SUB BASE AND SWEPT JOINTS. THIS MOCK UP SHALL BE APPROVED BY THE HISTORICAL COMMISSION.
 8. CONTRACTOR SHALL PERFORM ALL DUE DILIGENCE IN SHALL PROTECT THE FORECOURT AREA FORM DAMAGE DURING CONSTRUCTION. ANY DAMAGE SHALL BE PREPARED AT COST TO THE OWNER.
 9. ALL AREAS OF THE LAWN AND LAY-DOWN AREA THAT WERE DISTURBED DURING CONSTRUCTION SHALL BE FINISHED WITH LOAM AND SEED.
 10. MULCH SHALL BE PROVIDED IN ALL DISTURBED AREAS OF THE PROPOSED PLANTERS. MULCH SHALL BE REVIEWED AND APPROVED BY THE HISTORICAL COMMISSION PRIOR TO INSTALLATION.



Drawing Title: **STICK WALKWAY AYOUT AND ATERIALS PLAN**

1

Sheet Number:
L2.00

Weston & Sampson

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Consultants:

Revisions:		
Rev	Date	Description



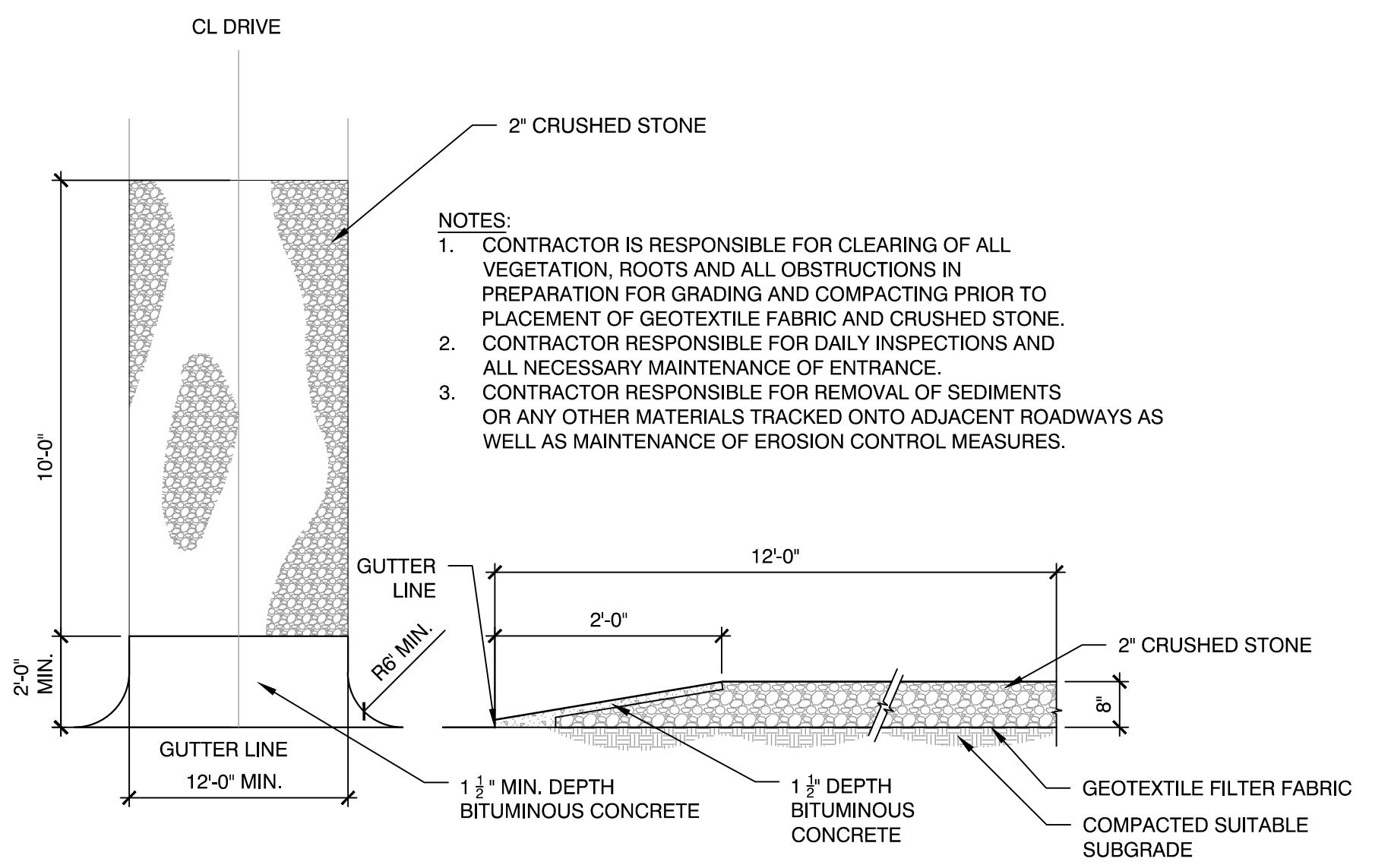
CONSTRUCTION DOCUMENTS

Date:	03/02/2018
Scale:	AS NOTED
Drawn By:	DYF
Reviewed By:	MPM
Checked By:	TMS, BMK
Approved By:	JFB

Drawing Title:
CONSTRUCTION DETAILS

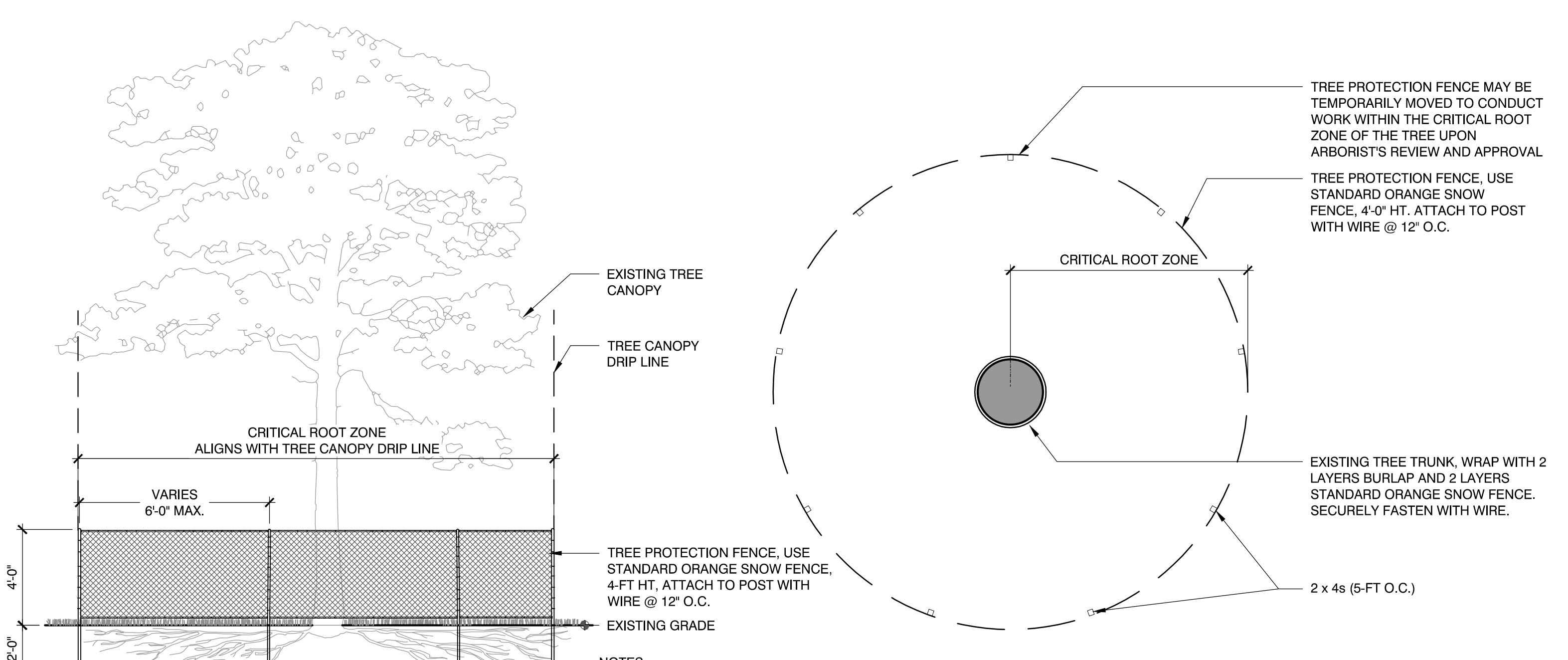
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L3.00



1 CONSTRUCTION ENTRANCE

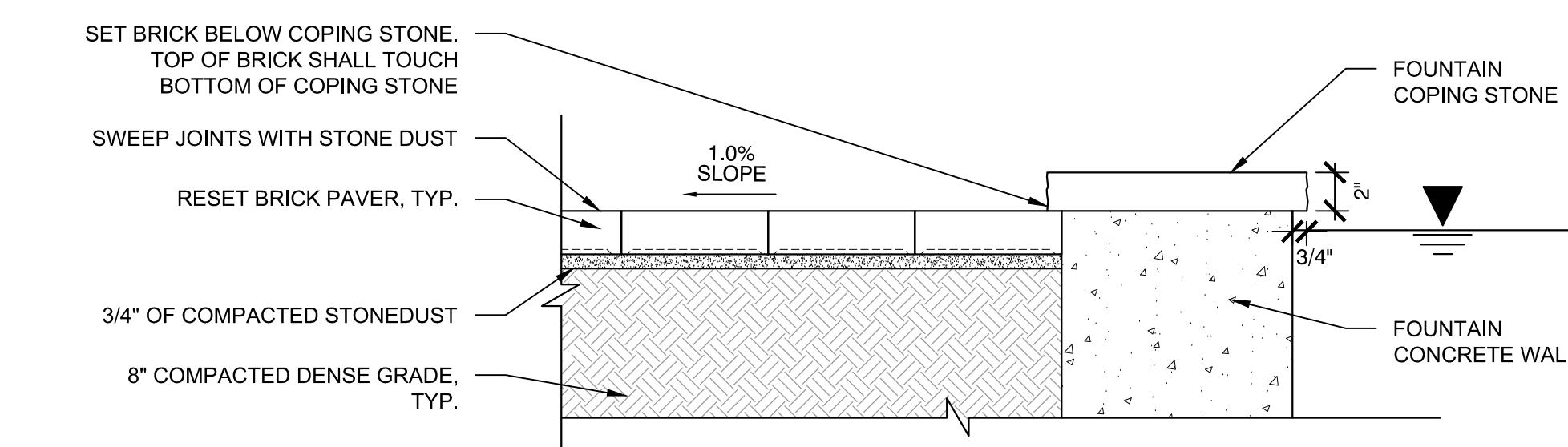
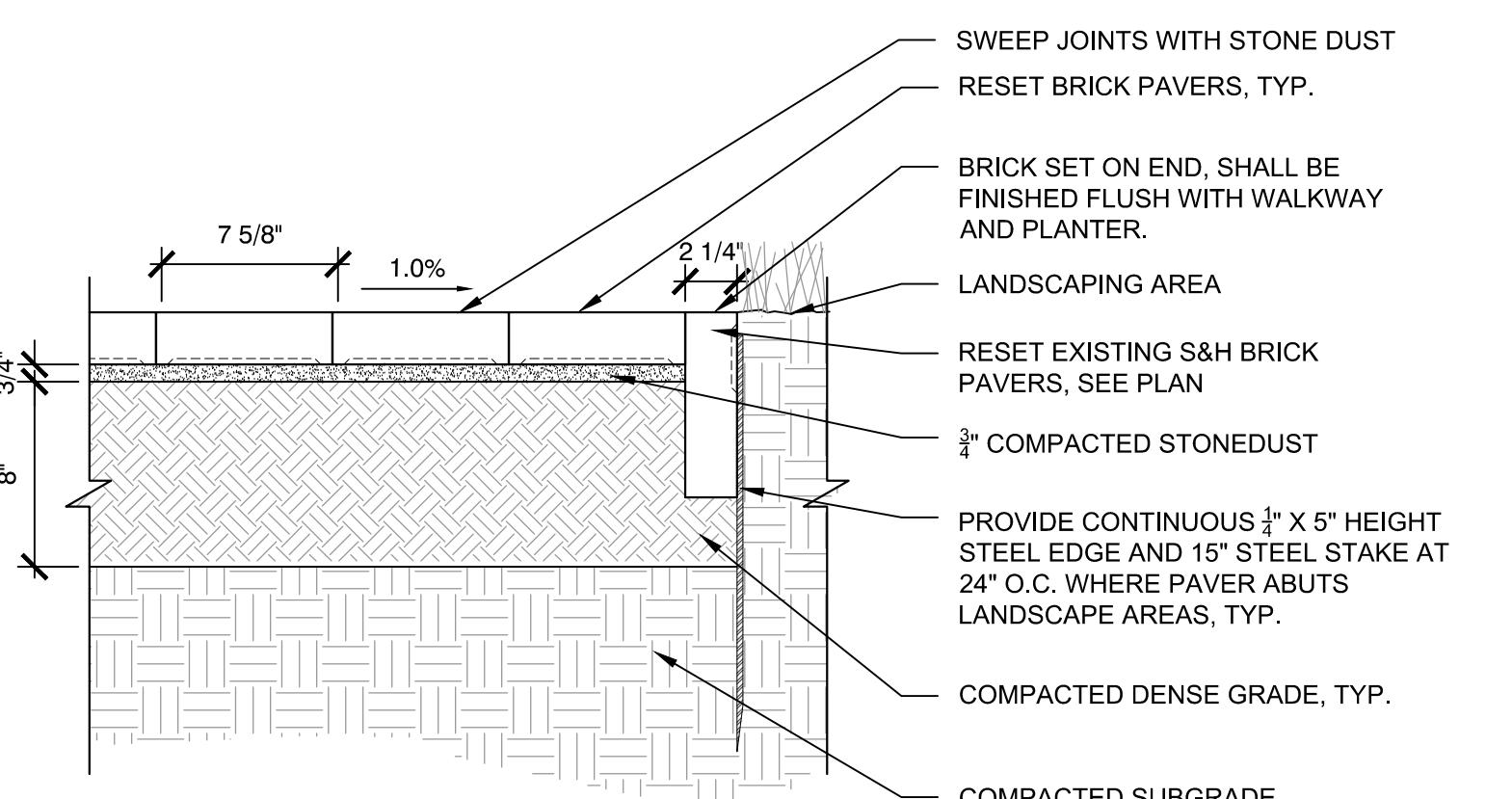
SCALE: NTS



- NOTES:
1. CONTRACTOR IS RESPONSIBLE FOR CLEARING OF ALL VEGETATION, ROOTS AND ALL OBSTRUCTIONS IN PREPARATION FOR GRADING AND COMPACTING PRIOR TO PLACEMENT OF GEOTEXTILE FABRIC AND CRUSHED STONE.
 2. CONTRACTOR RESPONSIBLE FOR DAILY INSPECTIONS AND ALL NECESSARY MAINTENANCE OF ENTRANCE.
 3. CONTRACTOR RESPONSIBLE FOR REMOVAL OF SEDIMENTS OR ANY OTHER MATERIALS TRACKED ONTO ADJACENT ROADWAYS AS WELL AS MAINTENANCE OF EROSION CONTROL MEASURES.

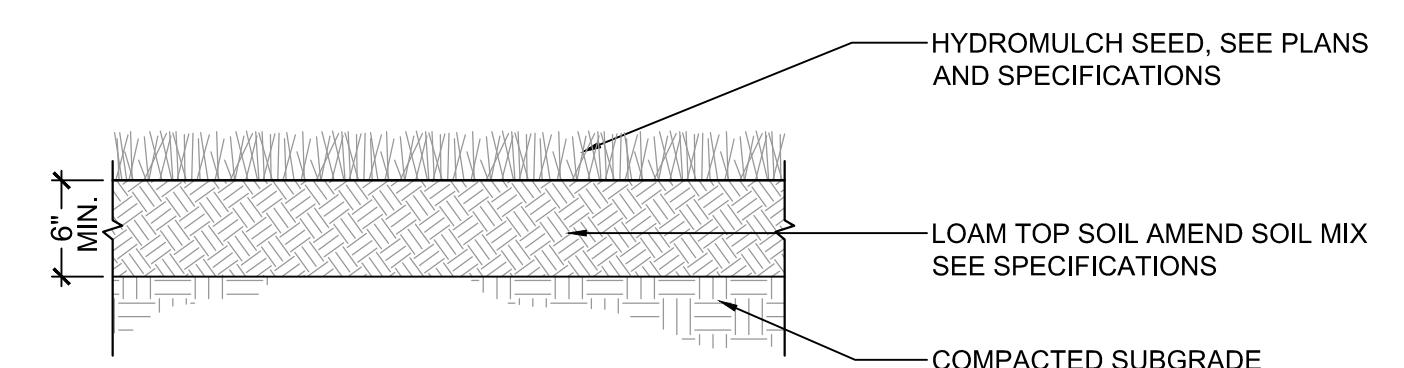
2 TREE PROTECTION

SCALE: NTS



4 S&H BRICK PAVER DETAIL

SCALE: NTS

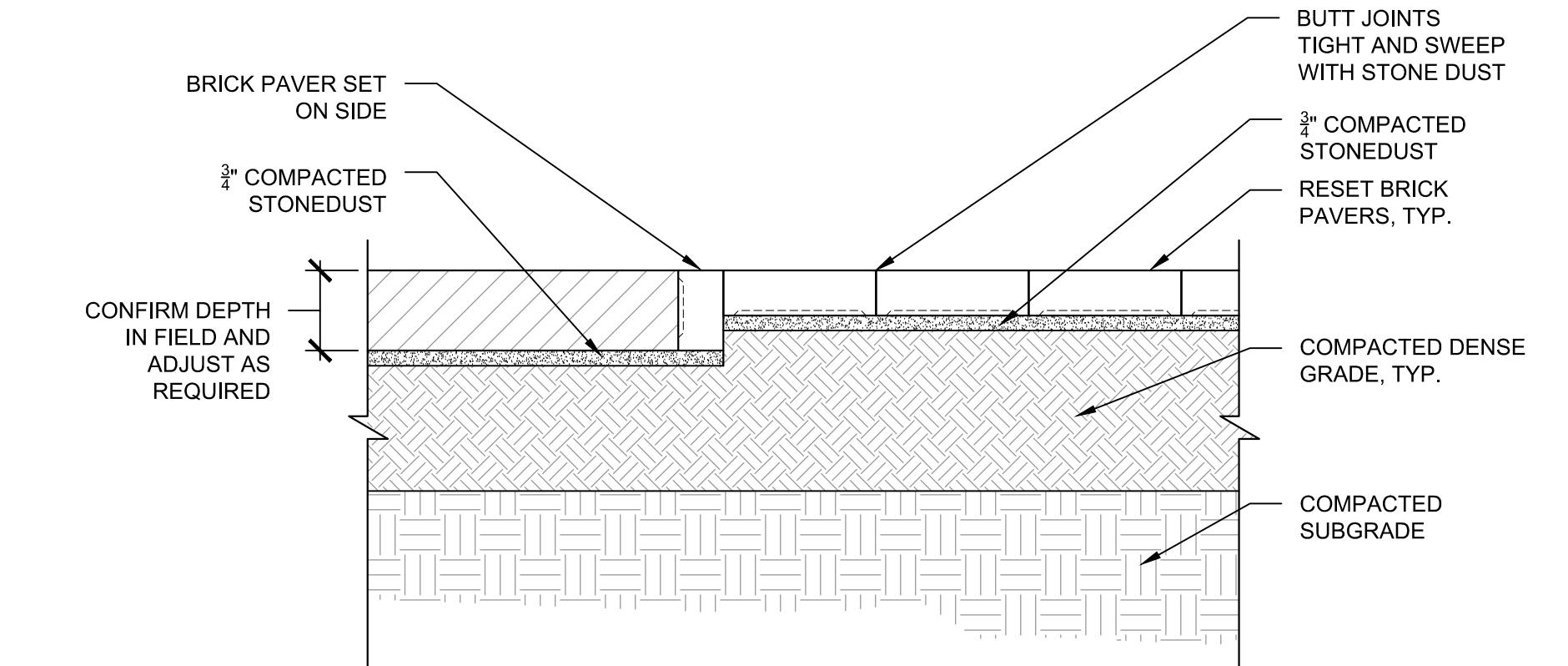


6 LOAM & SEED

SCALE: NTS

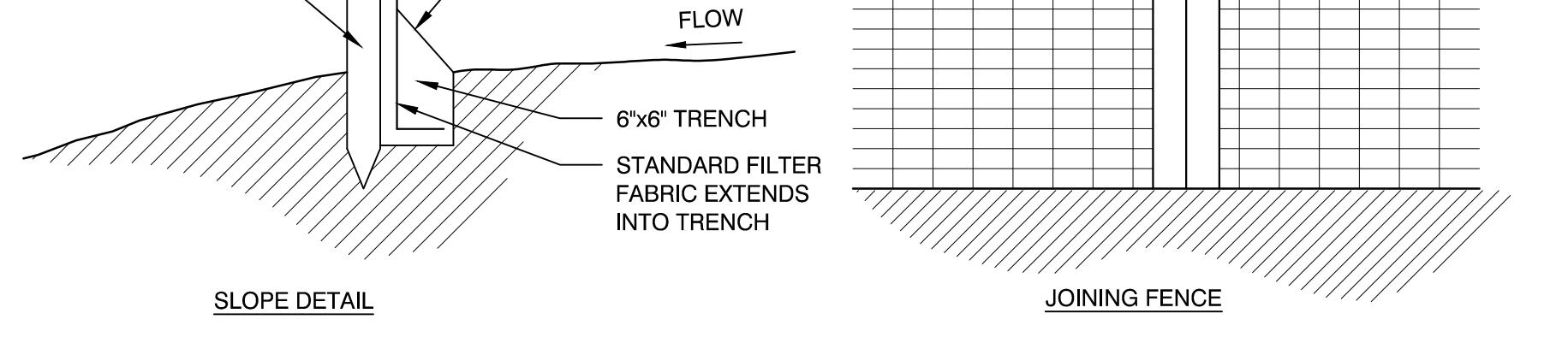
5 S&H BRICK PAVERS AT LOWER BASIN

SCALE: NTS



7 S&H BRICK PAVERS AT RESET GRANITE PLAQUE

SCALE: NTS



3 EROSION CONTROL- STRAW WATTLE

SCALE: NTS



The logo for Weston & Sampson features the company name in a bold, black, sans-serif font. The word 'Weston' is on the left, 'Sampson' is on the right, and a large ampersand (&) is positioned between them. A thin horizontal line extends from the top of the ampersand to the right, ending with a small circle.

The logo consists of the lowercase letters "zla" in a bold, sans-serif font. The letter "z" is black, while "l" and "a" are gray. A vertical gray bar is positioned to the right of the "z".



CONSTRUCTION DOCUMENTS

03/02/2018
AS NOTED
TH
DDD
KZ
KZ

ing Title:
**E PREPARATION AND
DEMOLITION PLAN**

Part Number:

LEGEND

A small square grid pattern consisting of a 3x3 arrangement of thin black lines forming a 4x4 grid of squares.

**BASE BID – ALL VEGETATION TO
BE REMOVED AND DISPOSED OF**

**BASE BID – STUMPS AND
SHRUBS TO BE REMOVED AND
DISPOSED OF**

ADD-ALTERNATE #1 -
GROUNDCOVER AND PERENNIAL
MATERIAL TO BE REMOVED AND
DISPOSED OF.

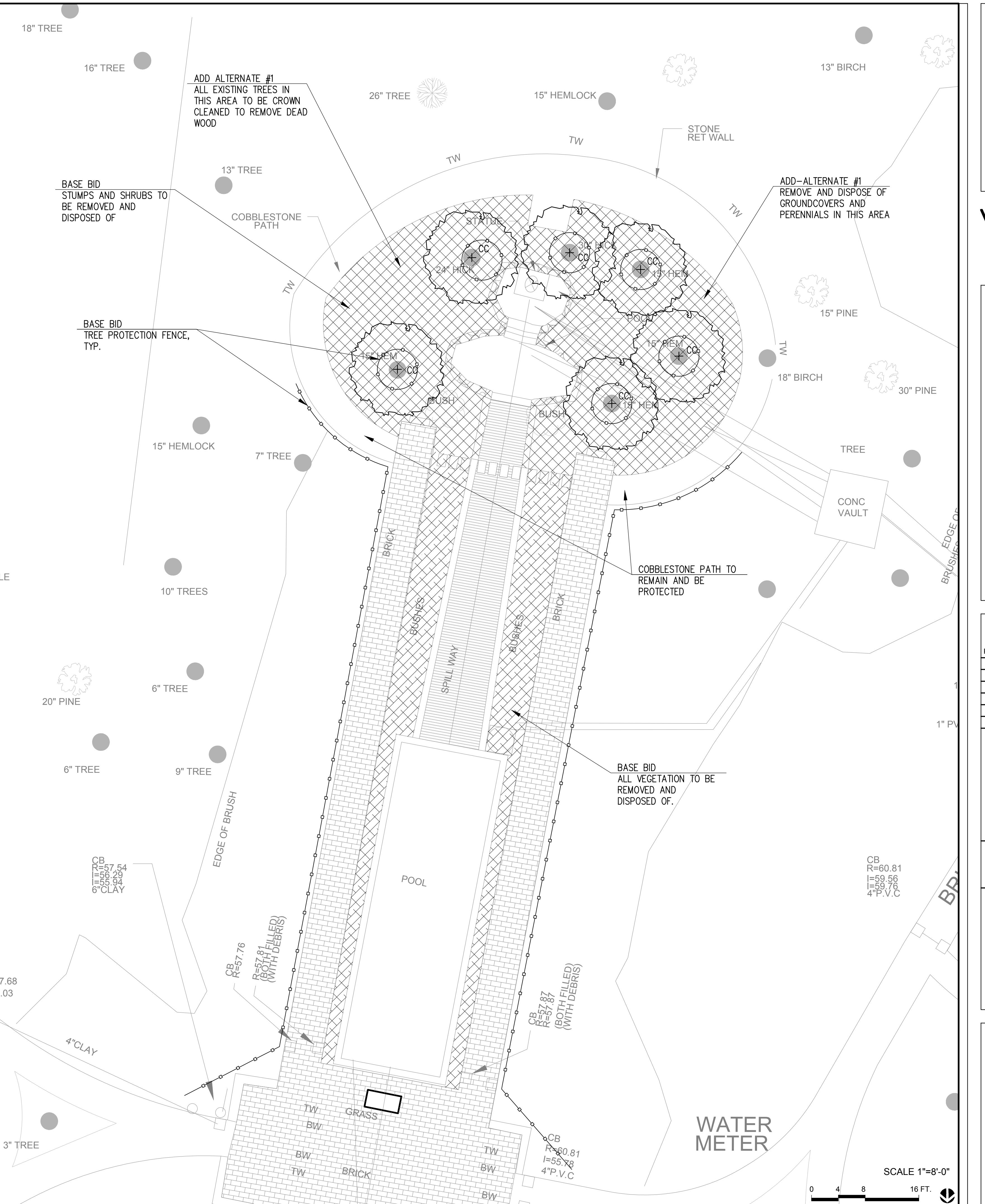
BASE BID - EXISTING TREE
TO REMAIN AND BE
PROTECTED TYP

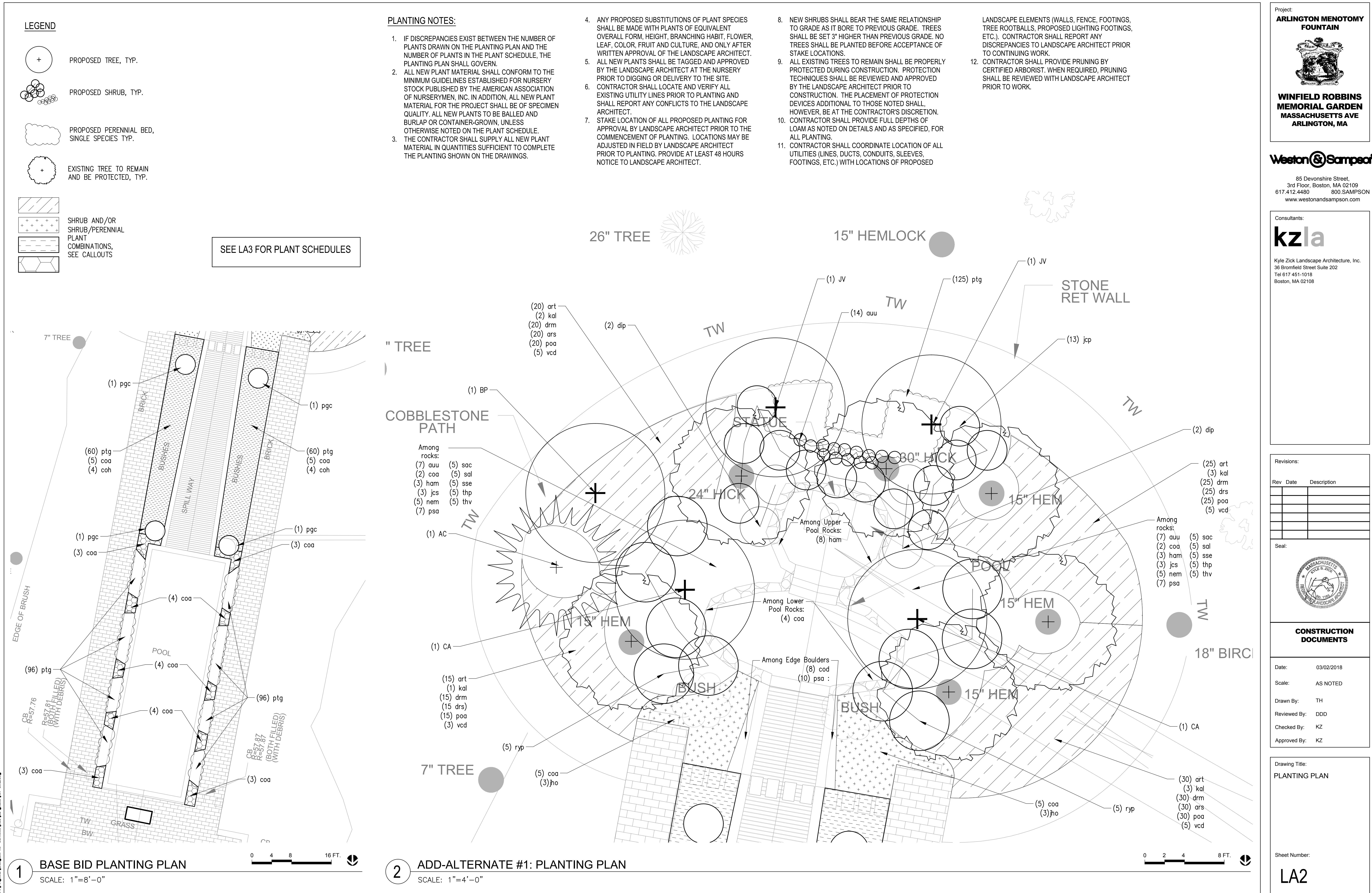
66

ADD ALTERNATE #1 - CROWN CLEANING

SITE PREPARATION AND DEMOLITION NOTES:

1. PRIOR TO COMMENCING ANY EXCAVATION WORK, THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES IN ACCORDANCE WITH THE "DIG SAFE" NOTIFICATION PROCEDURES PROMOTED BY RESPECTIVE UTILITY COMPANIES. THE DIG SAFE TELEPHONE NUMBER FOR MASSACHUSETTS IS 811.
 2. THE LOCATIONS OF ALL UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE DIAGRAMMATIC ONLY. THE CONTRACTOR SHALL CONTACT THE PROPER LOCAL AUTHORITIES OR RESPECTIVE UTILITY COMPANY TO CONFIRM THE LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. ANY DAMAGE DUE TO FAILURE OF THE CONTRACTOR TO CONTACT THE PROPER AUTHORITIES SHALL BE BORNE BY THE CONTRACTOR.
 3. THE GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES BETWEEN PLANS AND ACTUAL CONDITIONS TO THE LANDSCAPE ARCHITECT PRIOR TO STARTING WORK.
 4. ALL REFUSE, DEBRIS, AND MISCELLANEOUS ITEMS TO BE REMOVED, THAT ARE NOT TO BE STOCKPILED FOR LATER USE ON THE PROJECT OR DELIVERED TO THE OWNER, SHALL BE LEGALLY DISPOSED OF OFF-SITE BY THE CONTRACTOR.
 5. ALL ITEMS REQUIRING REMOVAL SHALL BE REMOVED TO FULL DEPTH, AND STOCKPILED AS DIRECTED BY THE OWNER OR LEGALLY DISPOSED OF OFF-SITE BY CONTRACTOR.
 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL EXISTING TREES AND PLANTS DESIGNATED TO REMAIN FOR THE LENGTH OF THE CONSTRUCTION PERIOD. THE PLACEMENT OF PROTECTION DEVICES ADDITIONAL TO THOSE NOTED SHALL, HOWEVER, BE AT THE CONTRACTOR'S DISCRETION.
 7. DAMAGE NO PLANTS TO REMAIN BY BURNING, BY PUMPING OF WATER, BY CUTTING OF LIVE ROOTS OR BRANCHES, OR BY ANY OTHER MEANS. NO PLANTS TO BE SAVED SHALL BE USED FOR CRANE STAYS, GUYS OR OTHER FASTENINGS. VEHICLES SHALL NOT BE PARKED WITHIN THE DRIP LINE OR WHERE DAMAGE MAY RESULT TO TREES TO BE SAVED. CONSTRUCTION MATERIALS SHALL NOT BE STORED BENEATH TREES TO BE SAVED.
 8. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING CONDITIONS THAT ARE DUE TO CONTRACTOR OPERATIONS AND WHICH ARE OUTSIDE THE LIMIT OF WORK.
 9. CONTRACTOR SHALL SECURE ALL PERMITS THAT MAY BE REQUIRED FROM ALL JURISDICTIONS AFFECTED BY THIS WORK.
 10. MAINTAIN CONSTRUCTION FENCING AND CONSTRUCTION SIGNAGE FOR DURATION-ANY DAMAGED FENCING IMMEDIATELY REPLACED BY CONTRACTOR





PLANT SCHEDULE - BASE BID

SYMBOL	QTY.	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	COMMENTS
SHRUBS						
coa	34	COTONEASTER ADPRESSUS	CREEPING COTONEASTER	2 GAL.	36" O.C.	
coh	8	COTONEASTER HORIZONTALIS	ROCK COTONEASTER	2 GAL.	48" O.C.	
pgc	4	PICEA GLAUCA 'CONICA'	DWARF WHITE SPRUCE	4-4.5' B&B	AS SHOWN	

SYMBOL	QTY.	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	COMMENTS
PERENNIALS/BULBS						
ptg	312	PACHYSANDRA TERMINALIS 'GREEN SHEEN'	GREEN SHEEN JAPANESE SPURGE	2" POT	10" O.C.	

** ALL NEW PLANTS SHALL BE BALLED AND BURLAPPED OR CONTAINER GROWN, UNLESS OTHERWISE NOTED ON PLANT SCHEDULE.

PLANT SCHEDULE - ADD ALTERNATE #1

SYMBOL	QTY.	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	COMMENTS
DECIDUOUS TREE						
AC	1	ABIES CONCOLOR	CONCOLOR FIR	8' B&B		
BP	1	BETULA PAPYRIFERA	PAPER BIRCH	5-6' B&B		SPECIMEN CLUMP FORM
CA	2	CORNUS 'AURORA'	AURORA HYBRID DOGWOOD	2" CAL. B&B		MATCHED; SELECT FOR SPREADING BRANCH FORM
JV	2	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	5' B&B		

SYMBOL	QTY.	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	COMMENTS
SHRUBS						
auu	28	ARCTOSTAPHYLOS UVA-URSI	BEARBERRY	1 GAL.	15" O.C.	
coa	18	COTONEASTER ADPRESSUS	CREEPING COTONEASTER	2 GAL.	3' O.C.	
cod	8	COTONEASTER DAMMERI	BEARBERRY COTONEASTER	2 GAL.	3' O.C.	
dip	4	DIRCA PALUSTRIS	EASTERN LEATHERWOOD	3 GAL.	4' O.C.	
kal	9	KALMIA LATIFOLIA	MOUNTAIN LAUREL	5 GAL.	8' O.C.	LIGHT PINK AND WHITE VARIETIES
jcp	13	JUNIPERUS CHINENSIS PFITZERIANA	PFITZER JUNIPER	3 GAL.	4' O.C.	
jcs	6	JUNIPERUS CHINENSIS SARGENTII	SARGENT JUNIPER	2 GAL.	4' O.C.	
jho	6	JUNIPERUS HORIZONTALIS	CREEPING JUNIPER	3 GAL.	4' O.C.	
ryp	10	RHODODENDRON YEDONESE VAR. POUKHANENSE	KOREAN AZALEA	3 GAL.	6' O.C.	
vcd	18	VACCINIUM CORYMBOSOM 'DRAPER'	DRAPER HIGHBUSH BLUEBERRY	3 GAL.	3' O.C.	

SYMBOL	QTY.	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	COMMENTS
PERENNIALS/BULBS						
art	90	ARISAEMA TRIPHYLLUM	JACK-IN-THE-PULPIT	1 QT.	12" O.C.	
drm	90	DRYOPTERIS MARGINALIS	LEATHER WOODFERN	1 QT.	12" O.C.	
drs	90	DRYOPTERIS SPINULOSA	TOOTHED WOODFERN	1 QT.	12" O.C.	
ham	14	HEMEROCALLIS 'AURANTIACA MAJOR'	JAPANESE DAYLILY	1 GAL.	24" O.C.	
nem	10	NEPETA MUSSINII	CATMINT	2 QT.	18" O.C.	
ptg	125	PACHYSANDRA TERMINALIS 'GREEN SHEEN'	GREEN SHEEN JAPANESE SPURGE	FLATS	10" O.C.	
poa	90	POLYSTICHUM ACROSTICHOIDES	CHRISTMAS FERN	1 QT.	12" O.C.	
psa	24	PHLOX SUBULATA ALBA	WHITE CREEPING PHLOX	1 QT.	12" O.C.	
sac	10	SEDUM ACRE	GOLDMOSS	1 QT.	12" O.C.	
sal	10	SEDUM ALBUM	WHITE STONECROP	1 QT.	12" O.C.	
sse	10	SEDUM SEXANGULARE	HEXAGON STONECROP	1 QT.	12" O.C.	
thp	10	THYMUS PSEUDOLANUGINOSUS	WHITE THYME	4" POT	6" O.C.	
thv	10	THYMUS VULGARIS	WOOLLY THYME	4" POT	6" O.C.	

** ALL NEW PLANTS SHALL BE BALLED AND BURLAPPED OR CONTAINER GROWN, UNLESS OTHERWISE NOTED ON PLANT SCHEDULE.

Project:
ARLINGTON MENOTOMY FOUNTAIN

WINFIELD ROBBINS MEMORIAL GARDEN
 MASSACHUSETTS AVE
 ARLINGTON, MA

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Consultants:
kzla

Kyle Zick Landscape Architecture, Inc.
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 Boston, MA 02108

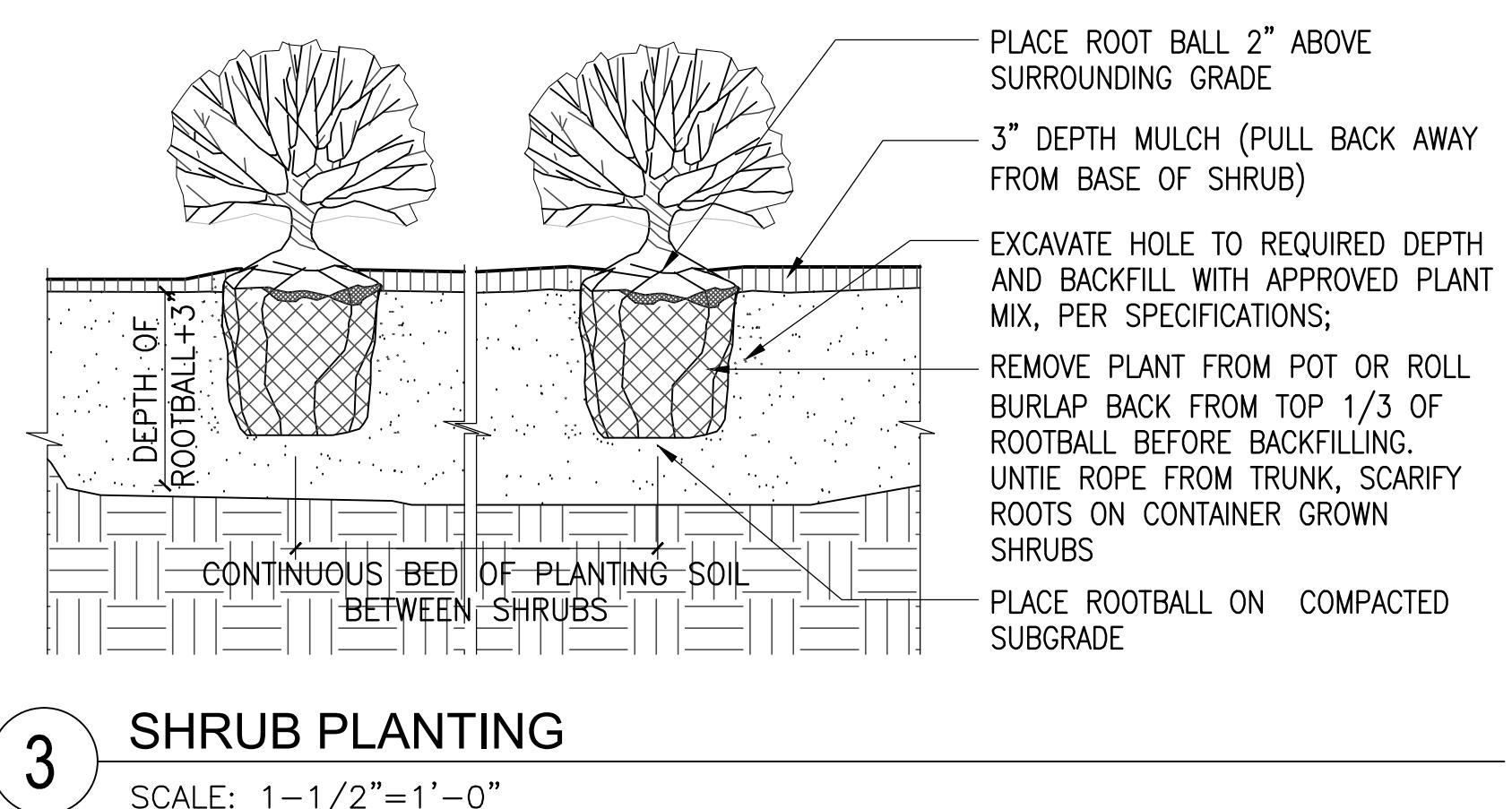
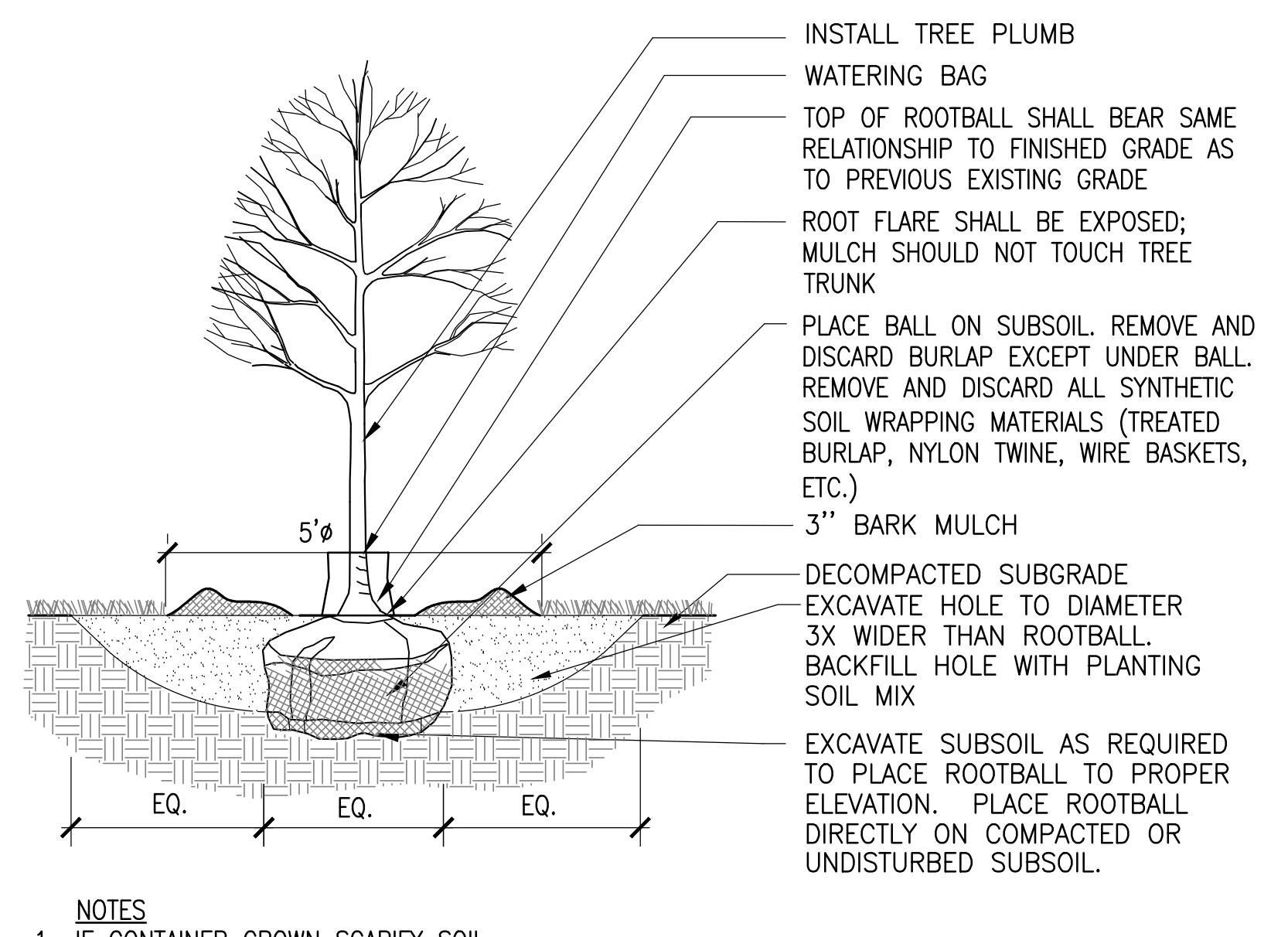
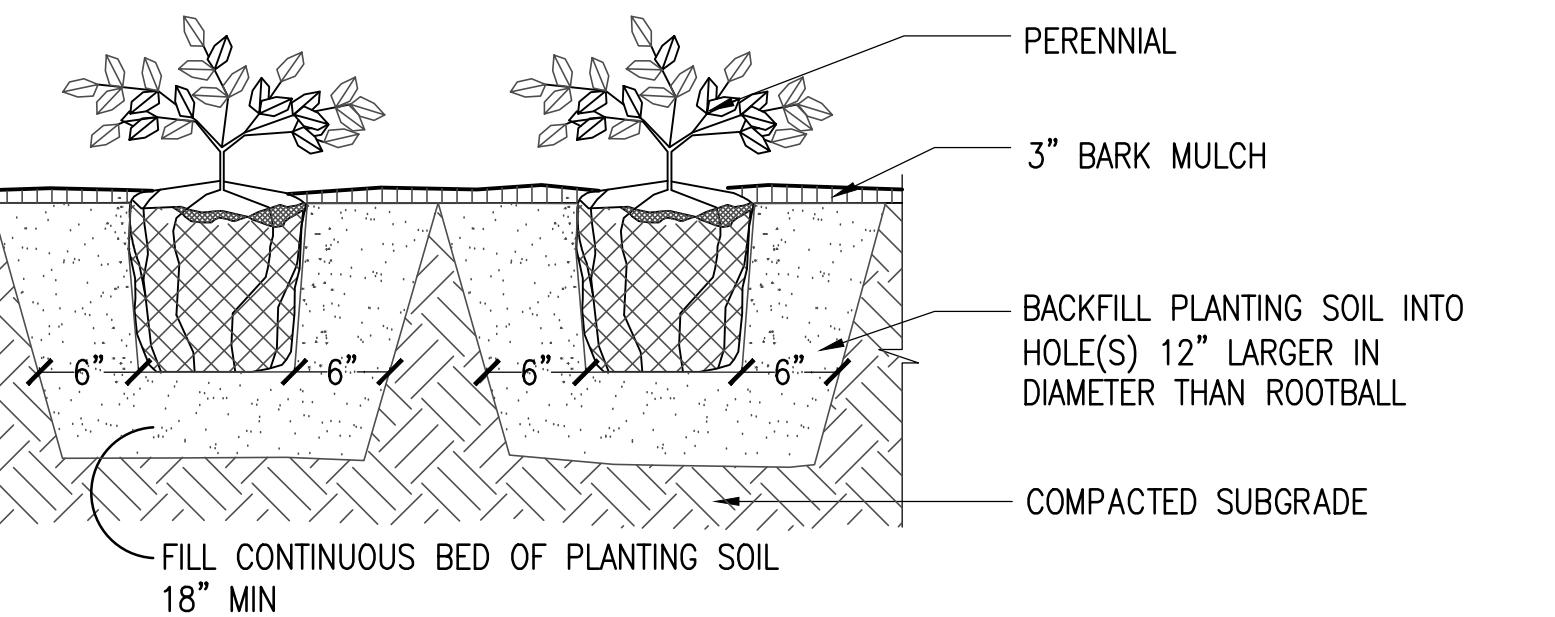
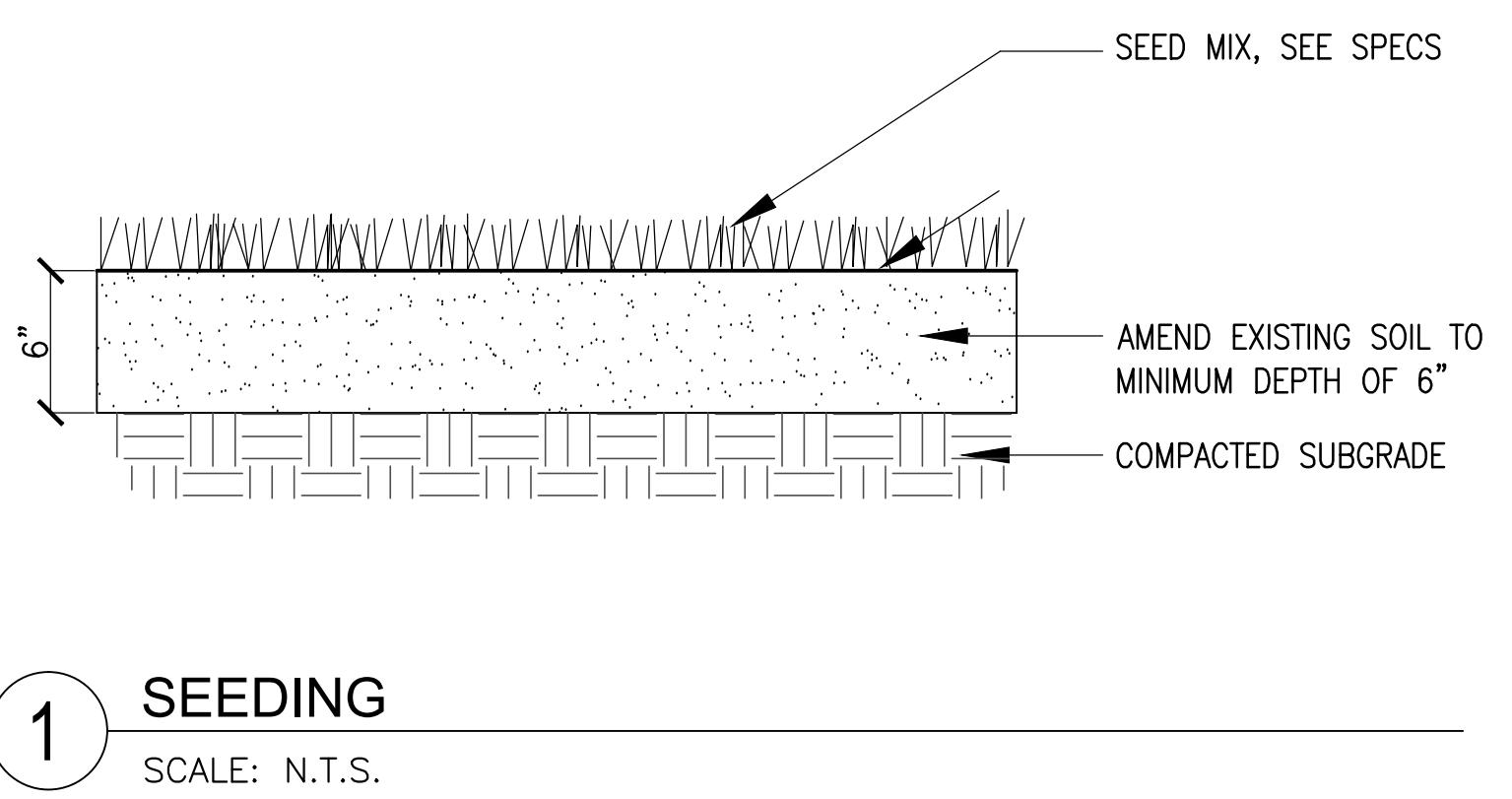
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Rev	Date	Description



CONSTRUCTION DOCUMENTS

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 Scale: AS NOTED
 Drawn By: TH
 Reviewed By: DDD
 Checked By: KZ
 Approved By: KZ

Drawing Title:
PLANTING SCHEDULE
 Sheet Number:
LA3



Revisions:		
Rev	Date	Description



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Reviewed By:	DDD
Checked By:	KZ
Approved By:	KZ

Drawing Title:
DETAILS

Sheet Number:
LA4



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CONSTRUCTION DOCUMENTS

Drawing Title:

FOUNTAIN DEMOLITION

Sheet Number:

WF-D-1.0

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NOTE

1. CONTRACTOR SHALL PROTECT ALL TREES IN THE LIMIT OF WORK OR TRENCHING THAT COULD COME INTO CONTACT WITH EXCAVATIONS OR HEAVY EQUIPMENT.
 2. CONTRACTOR SHALL SUBMIT TO THE ENGINEER A PLAN AND PROCEDURE FOR DEMOLITION.
 3. CONTRACTOR SHALL REMOVE ALL DEBRIS AND DEMOLISHED MATERIALS FROM THE SITE. CONTRACTOR SHALL PROTECT ALL EXISTING WALKWAYS AND CHOOSE A ROUTE THAT WILL PROVIDE THE LEAST DISTURBANCE TO THE PARK.
 4. CONTRACTOR SHALL CONSTRUCT A SHIELDING SYSTEM OVER THE SPILLWAY RIPPLES THAT DOES NOT COME INTO CONTACT WITH THE EXISTING CONCRETE CURB OR CONCRETE RIPPLE SYSTEM.
 5. CONTRACTOR SHALL MAINTAIN SAMPLES OF THE LOWER BASIN WALL, FLOOR AND THE UPPER BASIN FLOORS. THESE SHALL BE HELD ONSITE TILL THE CONCLUSION OF THE PROJECT. FLOOR SAMPLES SHALL BE 3'X3', WALL SAMPLES SHALL BE 1'X1'.
 6. CONTRACTOR SHALL SUBMIT DETAIL SUBMITTAL DRAWINGS SHOWING THE PROTECTION OF THE STATUE, BENCHES, SPILLWAY, AND OTHER SENSITIVE ITEMS.

This architectural site plan illustrates the construction details for a water feature, specifically a fountain or waterfall structure. The plan shows a central brick wall with three basins (Upper, Middle, Lower) and a central statue. The following annotations provide specific instructions for the construction process:

- PROTECT STATUE DURING ALL CONSTRUCTION ACTIVITIES
- UPPER BASIN REFER TO WF-2.0
DEMOLITION REFER TO WFD-1.1
- MIDDLE BASIN REFER TO WF-2.0
DEMOLITION REFER TO WFD-1.2
- CONTRACTOR SHALL PROTECT EXISTING BENCHES DURING THE DURATION OF CONSTRUCTION
- REMOVE AND REINSTALL STONE WALKING STONES
- EXISTING RIPPLES TO REMAIN CONTRACTOR SHALL SHIELD AND PROTECT CONCRETE RIPPLES DURING THE DURATION OF CONSTRUCTION
- REPAIR WORK ON SPILLWAY RIPPLES. REFER TO WF-D-1.2 FOR DEMOLITION AND WF-2.0
- REMOVE AND DISPOSE COLLECTOR TANK REFER TO WF-3.2 RETAIN COVER
- REFER TO L1.00 FOR REMOVAL OF WALKWAYS
- LOWER BASIN REFER TO WF-1.0 FOR DEMOLITION REFER TO WF-D-1.1
- REMOVE EXISTING PLANTER AROUND BASIN AND REINSTALL PLANTING IN ACCORDANCE TO LANDSCAPE DRAWINGS
- REMOVE, PROTECT, STORE AND RESET GRANITE PLACARD
- PROTECT WALL AND BENCH DURING CONTRUCTION
- REMOVE AND DISPOSE TOP CONCRETE SLAB COVER AND VAULT CONTENTS
FILTER ROOM REFER TO WF-3.0 FOR NEW FILTER WORK
- PROTECT TREE DURING CONSTRUCTION (TYP)

A north arrow is located on the left side of the plan.

POOL PLAN VIEW

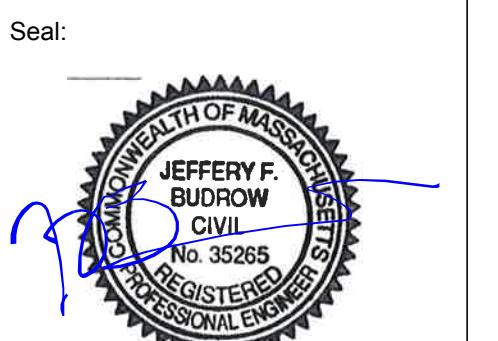
SCALE: 1/8" = 1'-0"

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CONSTRUCTION DOCUMENTS

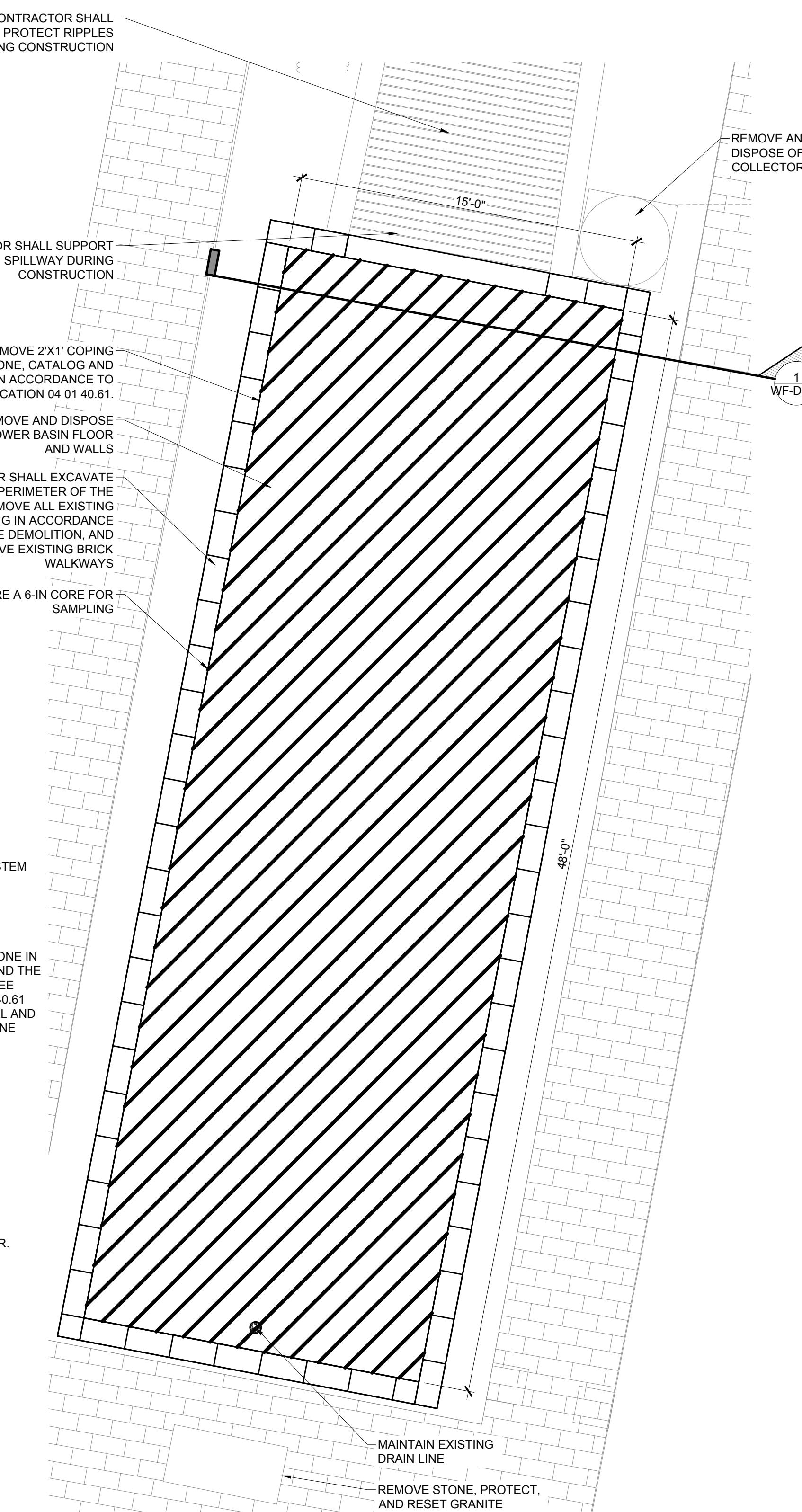
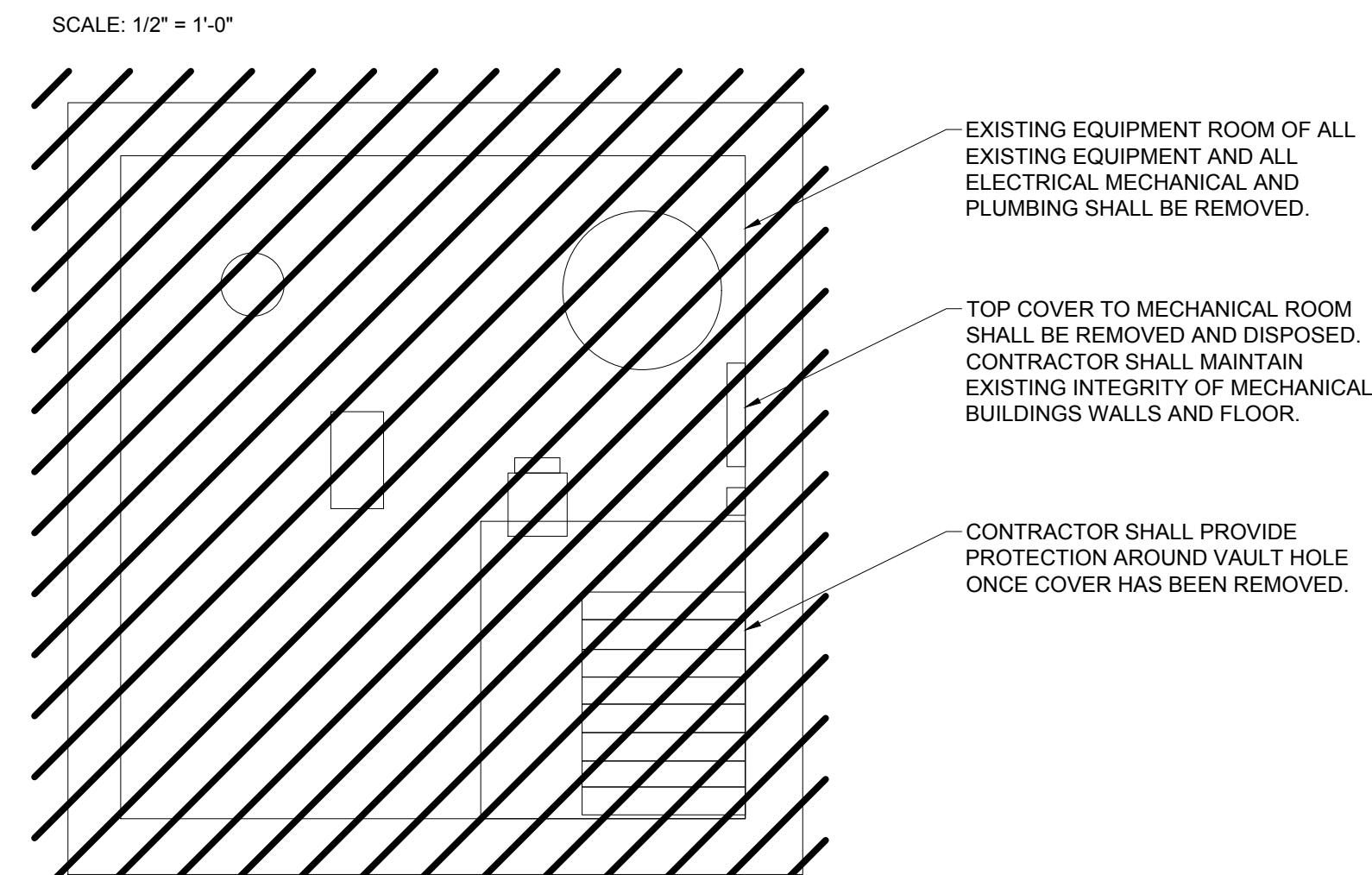
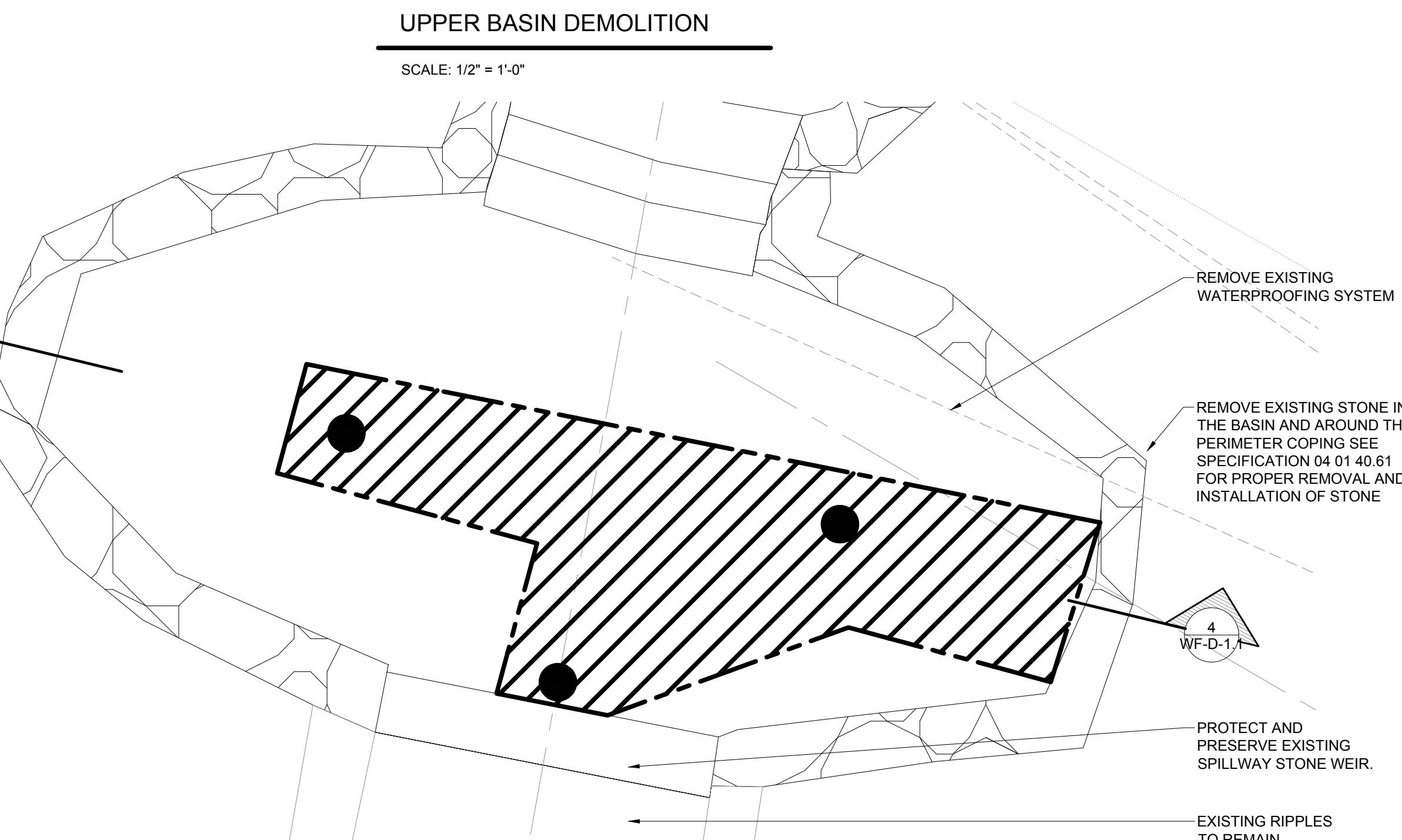
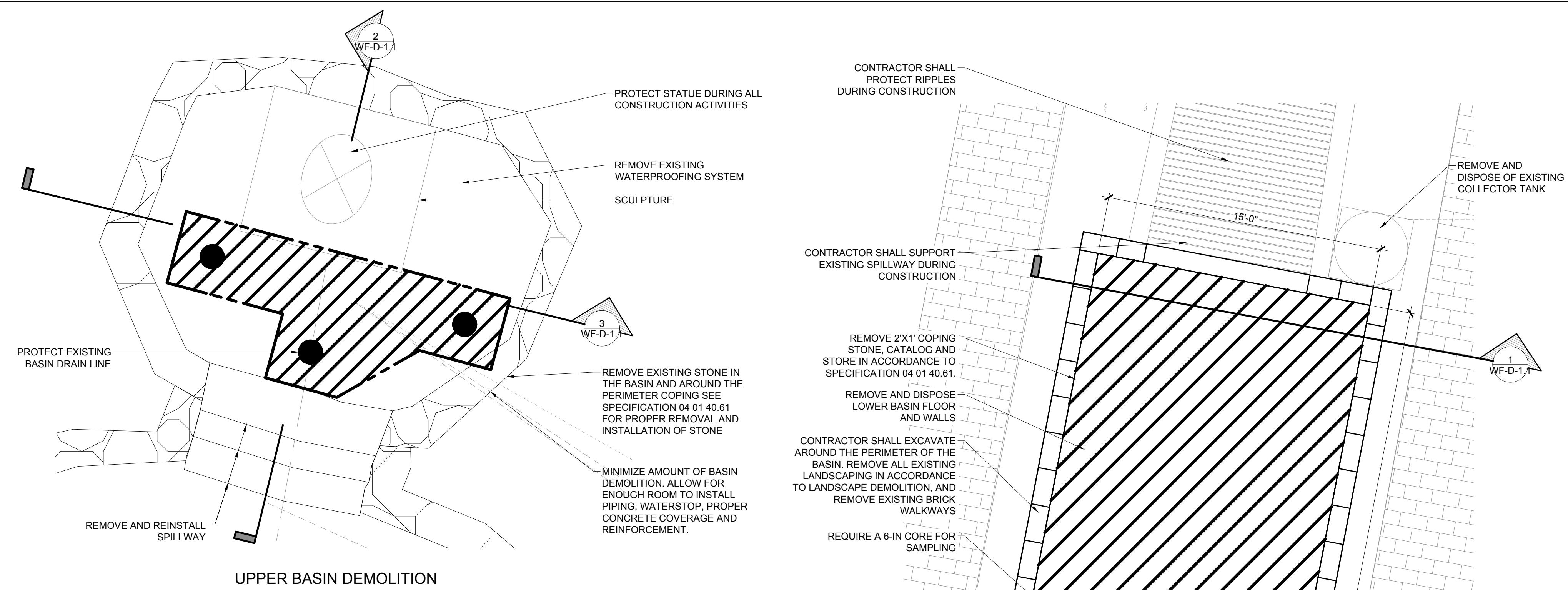
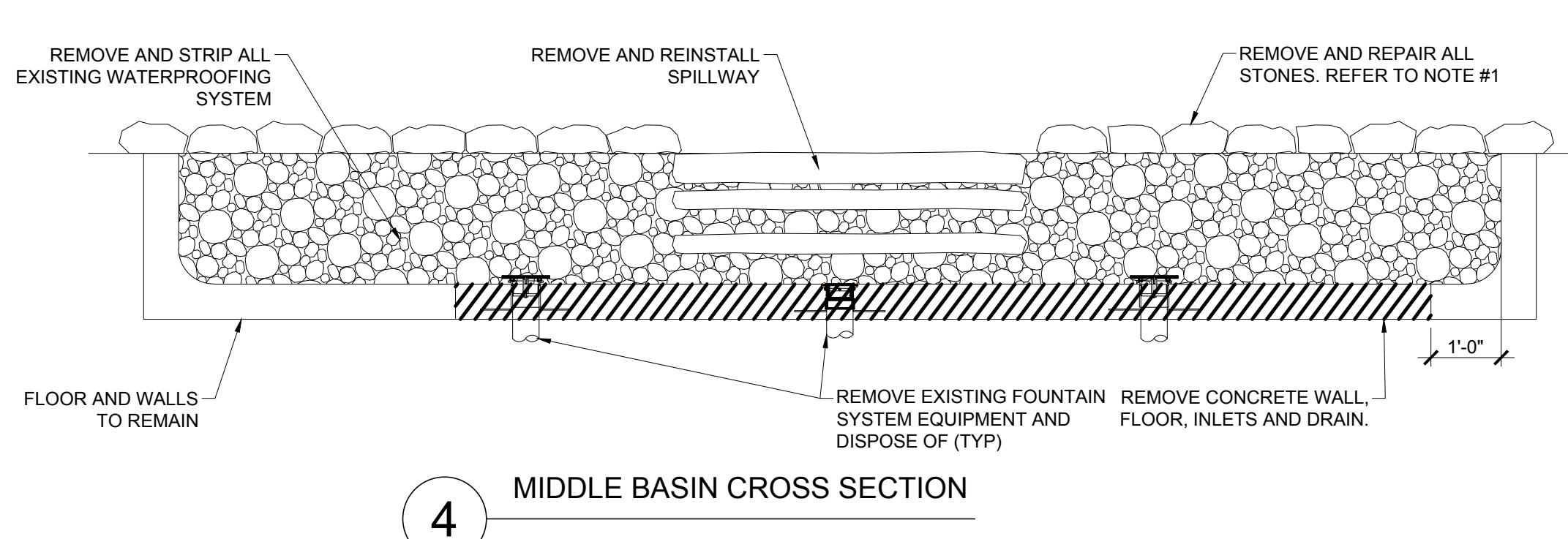
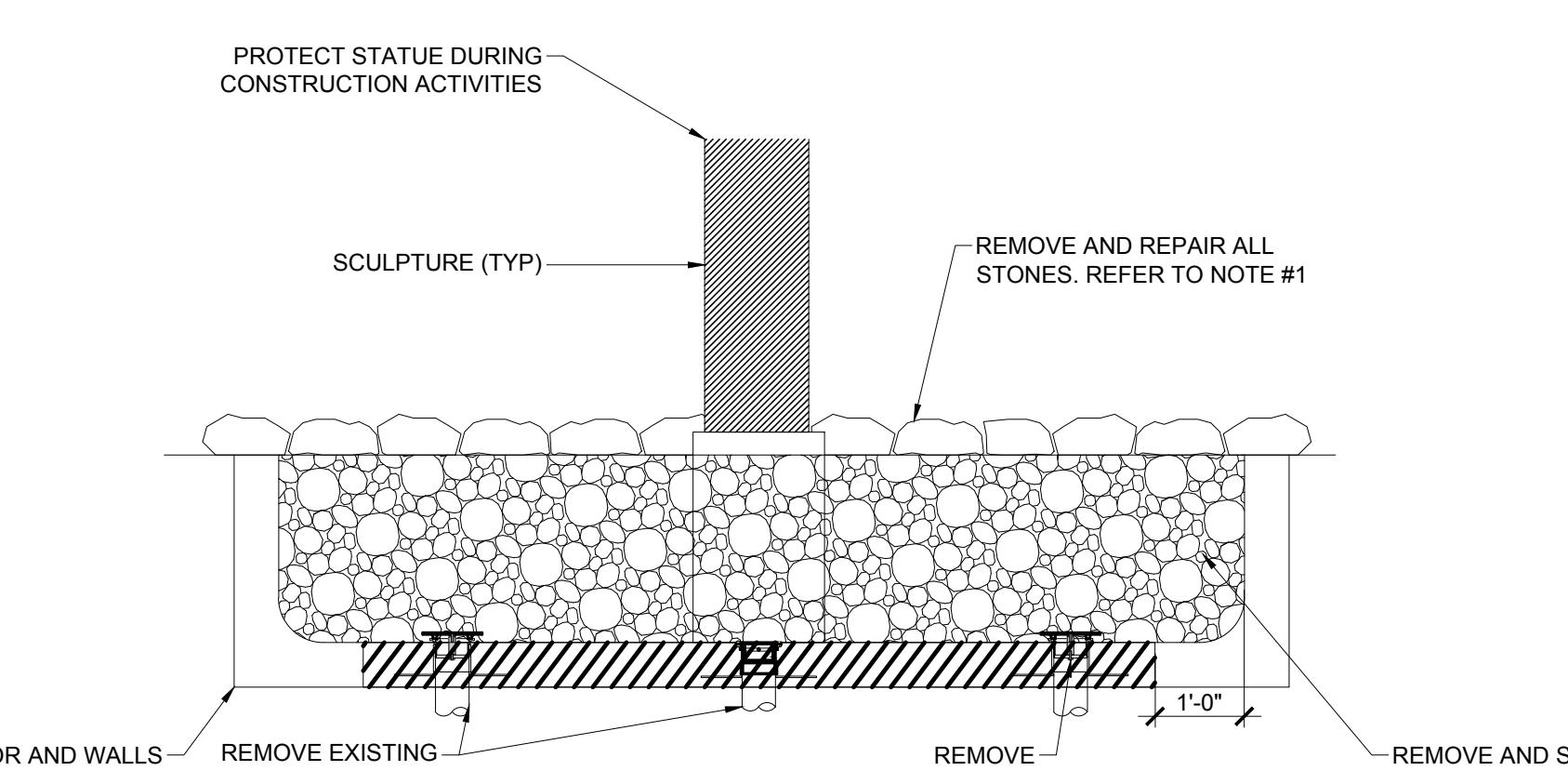
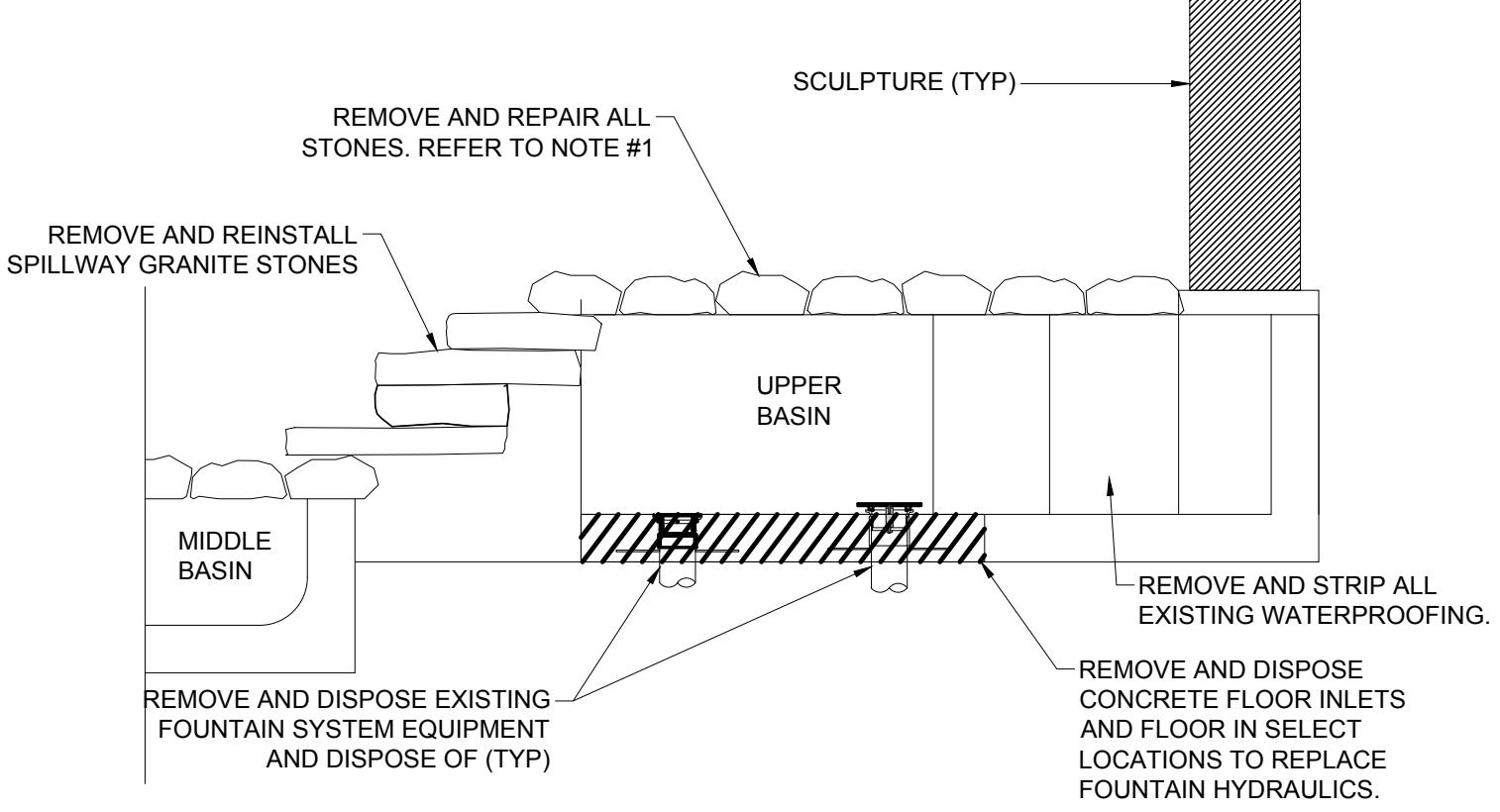
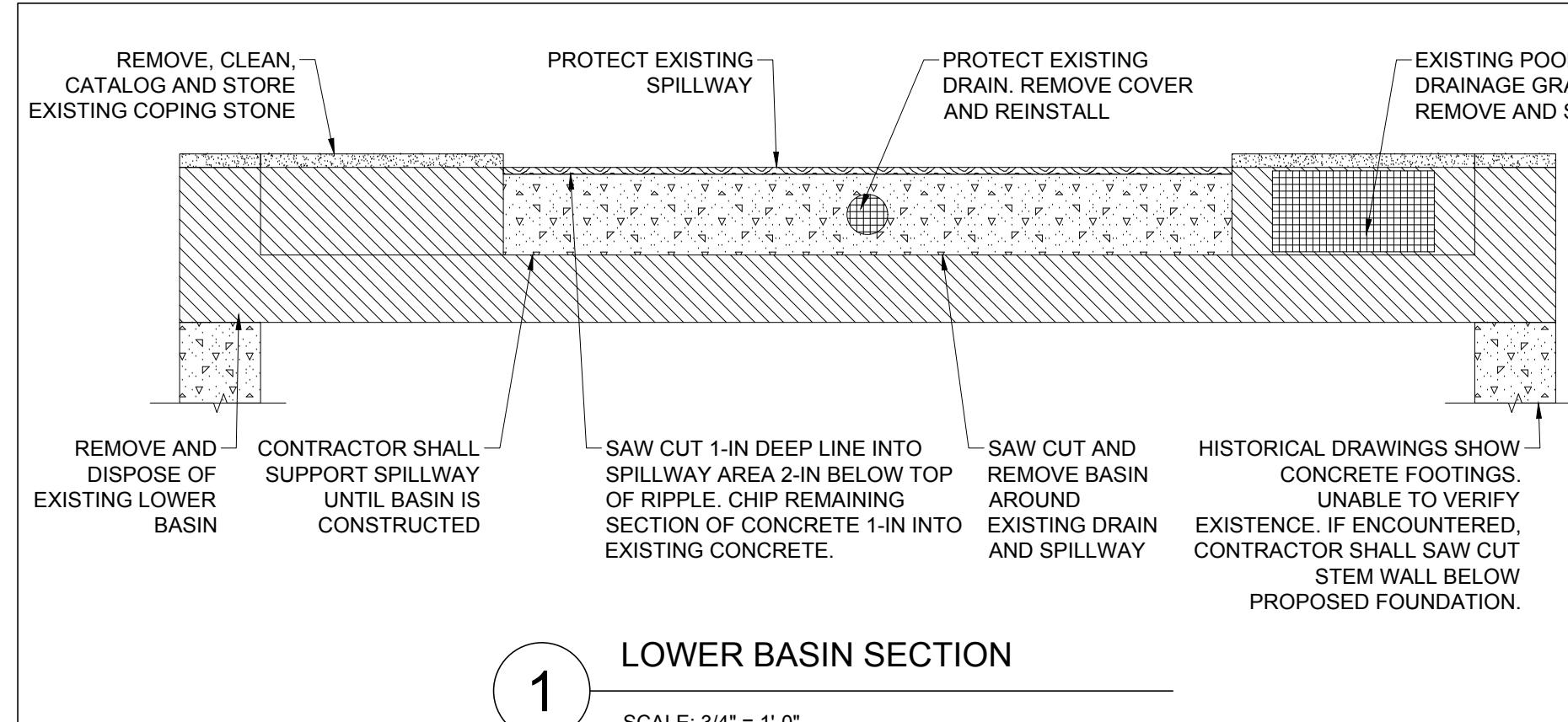
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Drawn By:	KTE/SAA
Reviewed By:	MPM
Checked By:	TMS
Approved By:	JFB

Drawing Title:

BASIN AND MECHANICAL DEMOLITION

Sheet Number:

WF-D-1.1



LOWER BASIN DEMOLITION

SCALE: 1/4" = 1'-0"

NOTES:

- ALL REMOVED STONE PIECES WILL BE CATALOGED AND TAGGED TO INSURE ALL PIECES ARE REINSTALLED IN THE EXACT ORDER, LOCATION AND POSITION AS PRIOR TO CONSTRUCTION.
- ALL CURRENT HYDRAULIC EQUIPMENT, ELECTRICAL PANELS, AND DOMESTIC WATER FEEDS SHALL BE REMOVED AND REPLACED IN ACCORDANCE TO WF-3.0.
- CONTRACTOR IS RESPONSIBLE FOR ALL STONE PIECES. ANY STONE PIECE NOT CORRECTLY TAGGED AND CATALOGUED IS THE RESPONSIBILITY OF THE CONTRACTOR TO RESET TO THE PROPER LOCATION.
- CONTRACTOR IS RESPONSIBLE FOR STORING ALL REMOVED PIECES AND MAINTAINING THEIR RESPECTIVE INTEGRITIES.
- CONTRACTOR TO MAINTAIN EXISTING RIPPLES INTEGRITY. ANY HARM TO THE RIPPLES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR TO THE OWNERS DISCRETION.
- ANY LOOSE, CRACKED, OR SPALLING CONCRETE SHALL BE CHIPPED, REMOVED AND PROPERLY PATCHED.
- CONTRACTOR SHALL SURVEY AND RECORD ALL EXISTING ELEVATIONS TO MATCH ON THE REBUILD OF THE WATER FEATURE.



**NFIELD ROBBINS
MORIAL GARDEN
SSACHUSETTS AVE
ARLINGTON, MA**

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A circular, gold-colored professional engineer seal. The outer ring contains the text "JEFFERY F. BUDROW" at the top and "MASSACHUSETTS" at the bottom. The inner circle features "REGISTERED" at the top and "PROFESSIONAL ENGINEER" at the bottom. A blue signature "Jeffery F. Budrow" is written across the center of the seal. A blue rectangular box is drawn around the "MASSACHUSETTS" text.

CONSTRUCTION DOCUMENTS

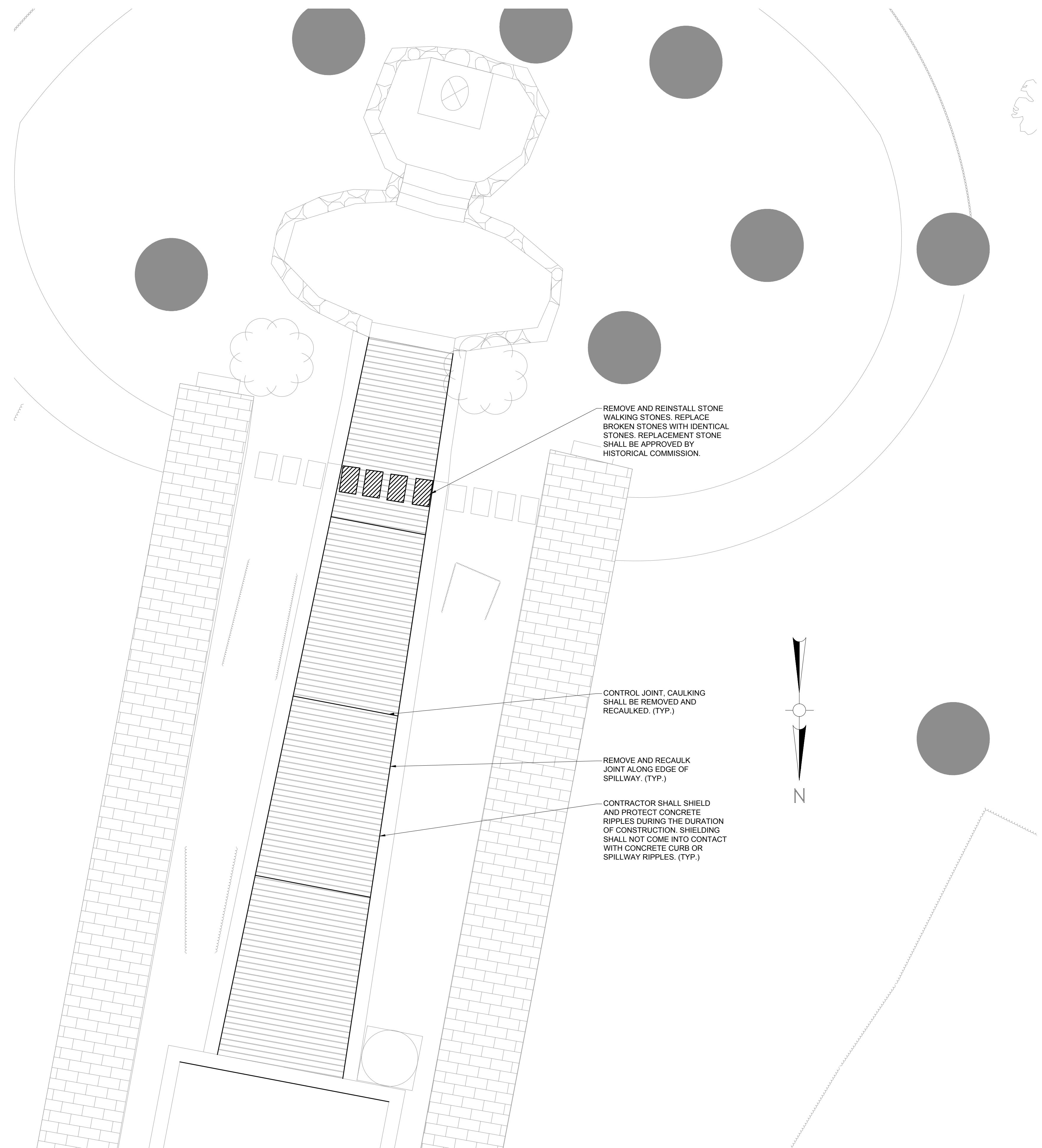
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Checked By: TMS
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WF-D-1.2

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SPILLWAY PLAN VIEW

SCALE: 1/4" = 1'-0"



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**CONSTRUCTION
DOCUMENTS**

Date: 03/02/2018

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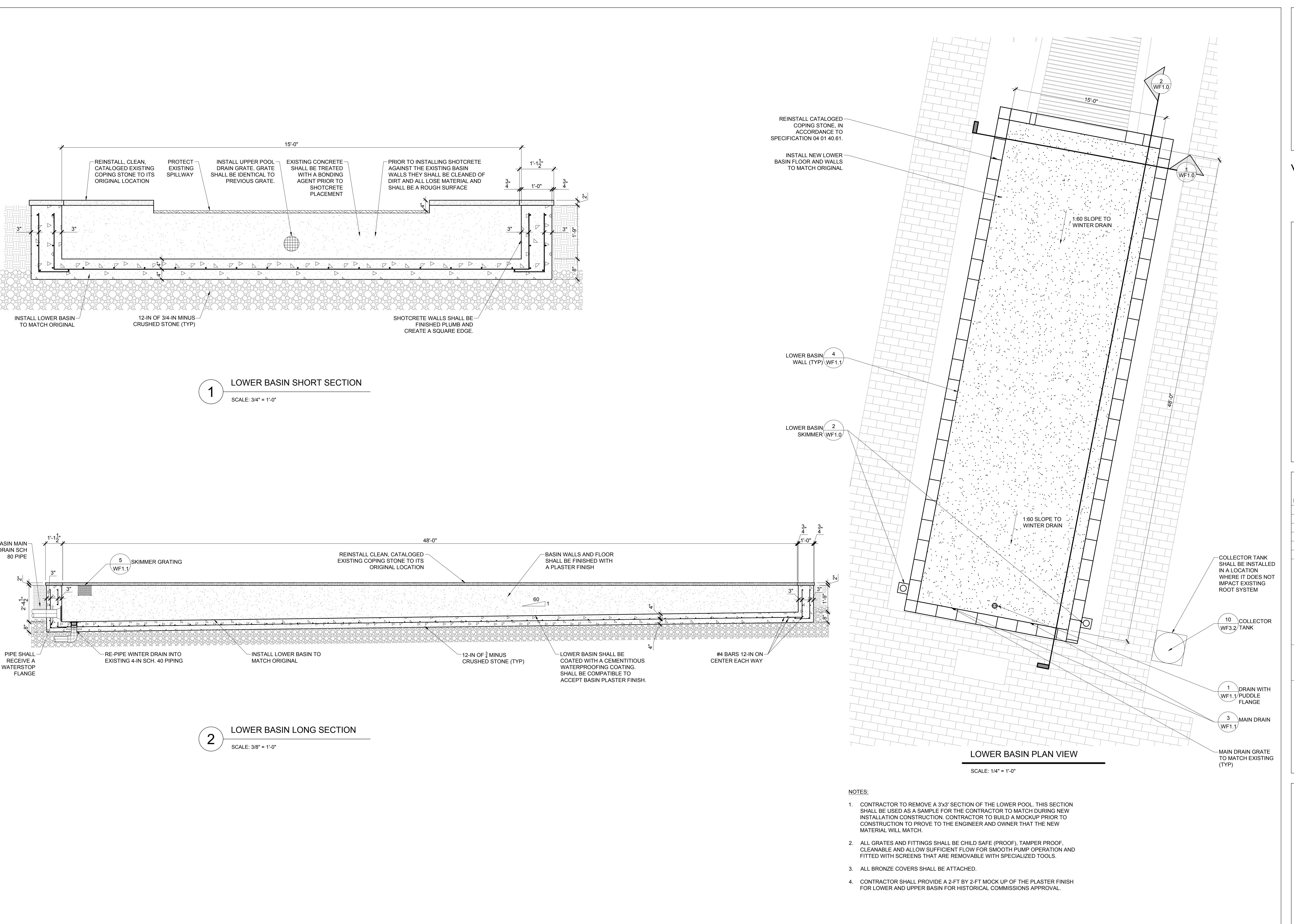
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LOWER BASIN RENOVATION

Object Number:

WF1.0

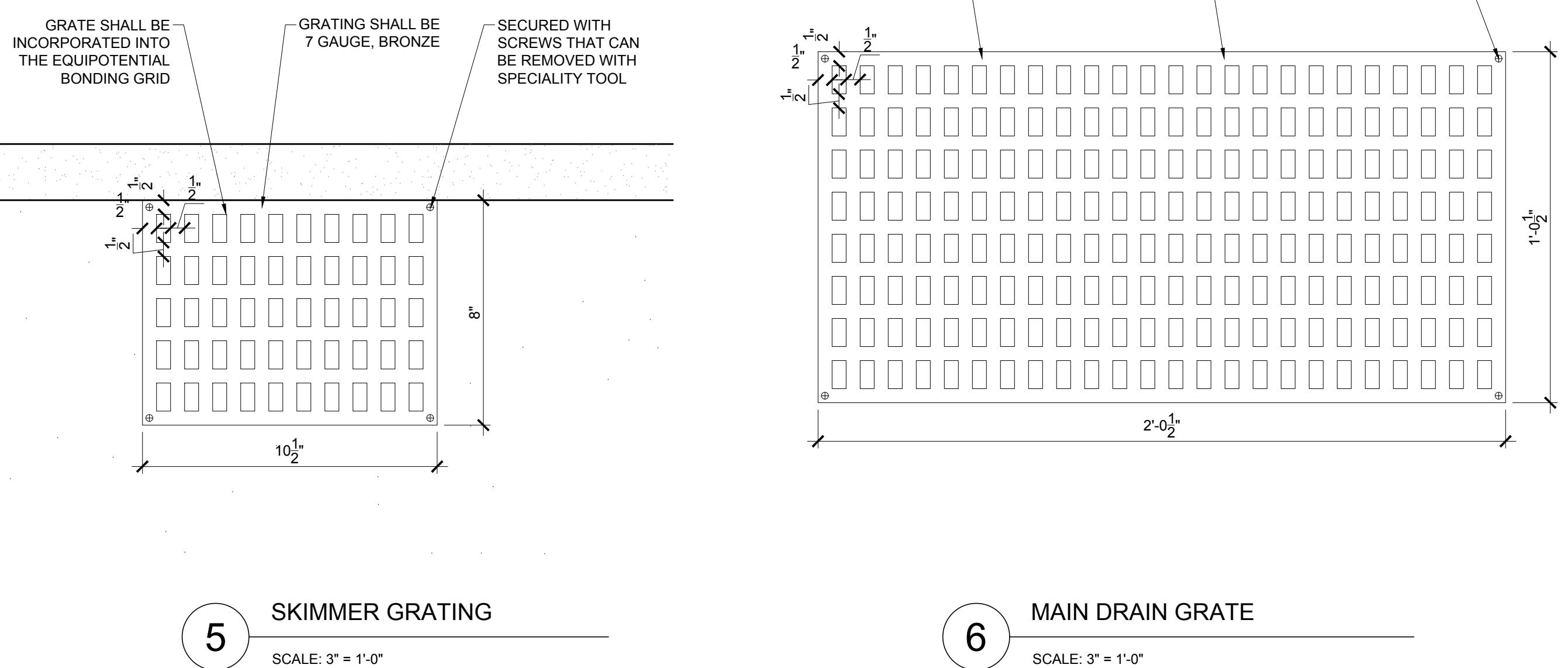
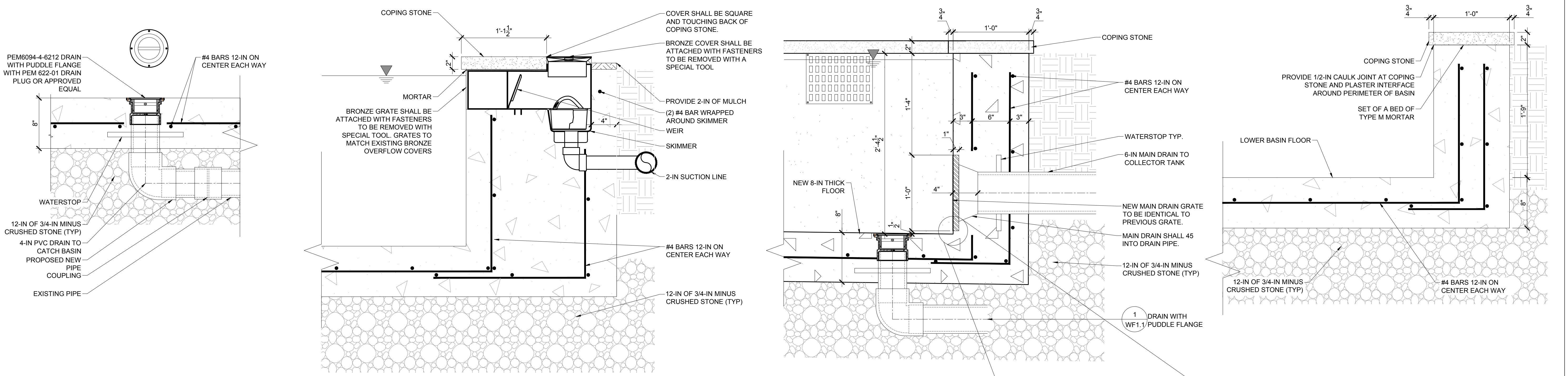
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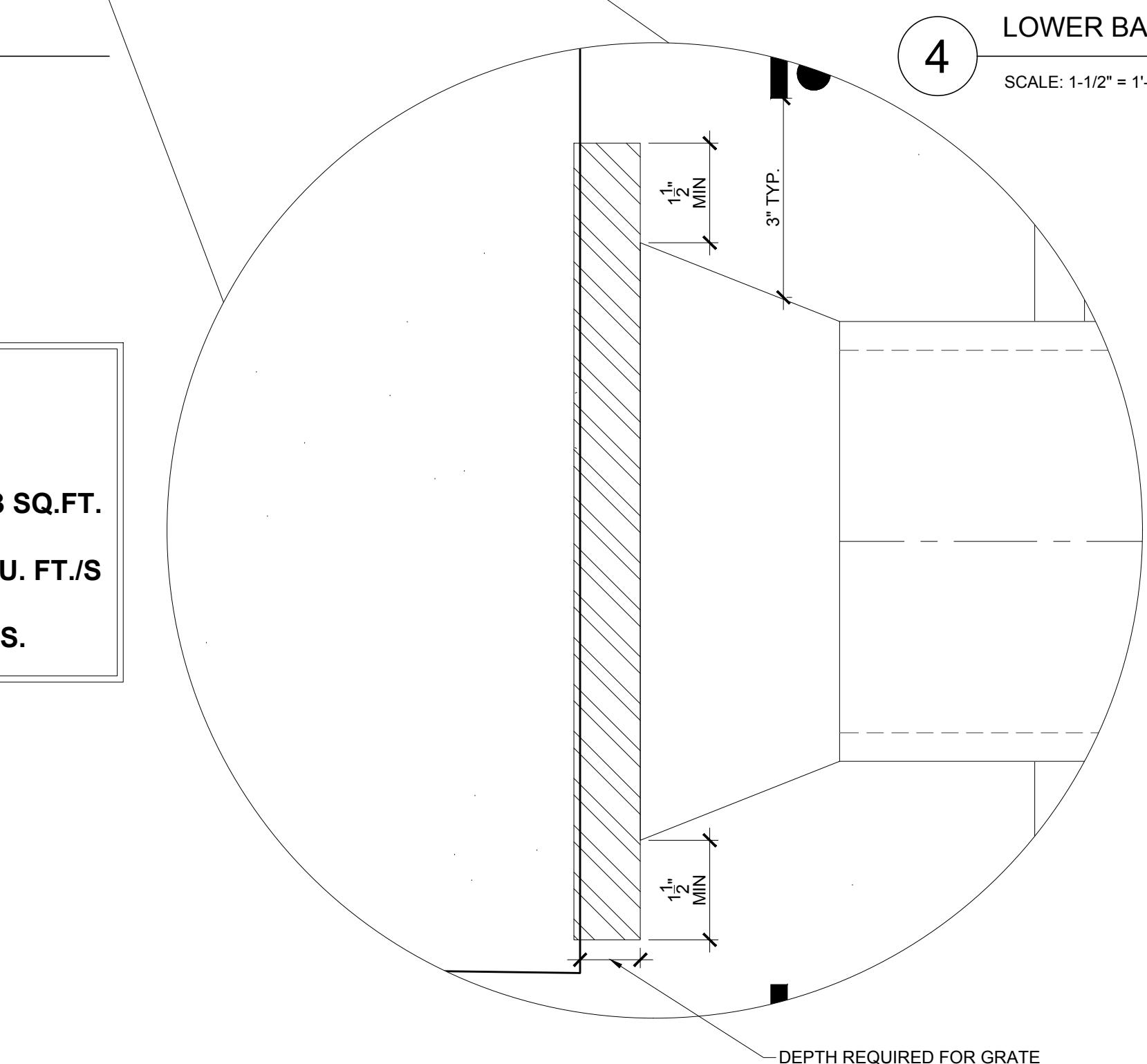
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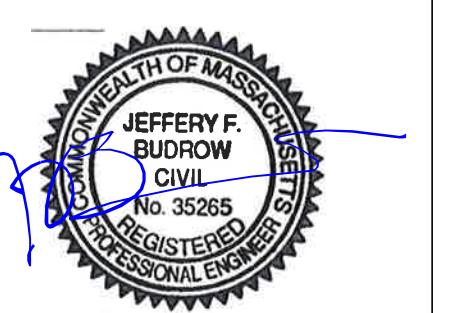
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MAIN DRAIN CALCULATIONS:
MAIN DRAIN VELOCITY:
(2) 24-IN x 12-IN MAIN DRAIN -
TOTAL OPEN AREA:
 $2 \times 96 \text{ SQ. IN.} / 192 = 1.33 \text{ SQ.FT.}$
TOTAL FLOW:
 $140 \text{ GPM} / 449 \text{ (GPM/(CU. FT./S)} = 0.31 \text{ CU. FT./S}$
TOTAL VELOCITY:
 $0.31 \text{ (CU. FT./S)} / 1.33 \text{ SQ. FT.} = 0.23 \text{ F.P.S.}$



Revisions:		
Rev	Date	Description



CONSTRUCTION DOCUMENTS

Date:	03/02/2018
Scale:	AS NOTED
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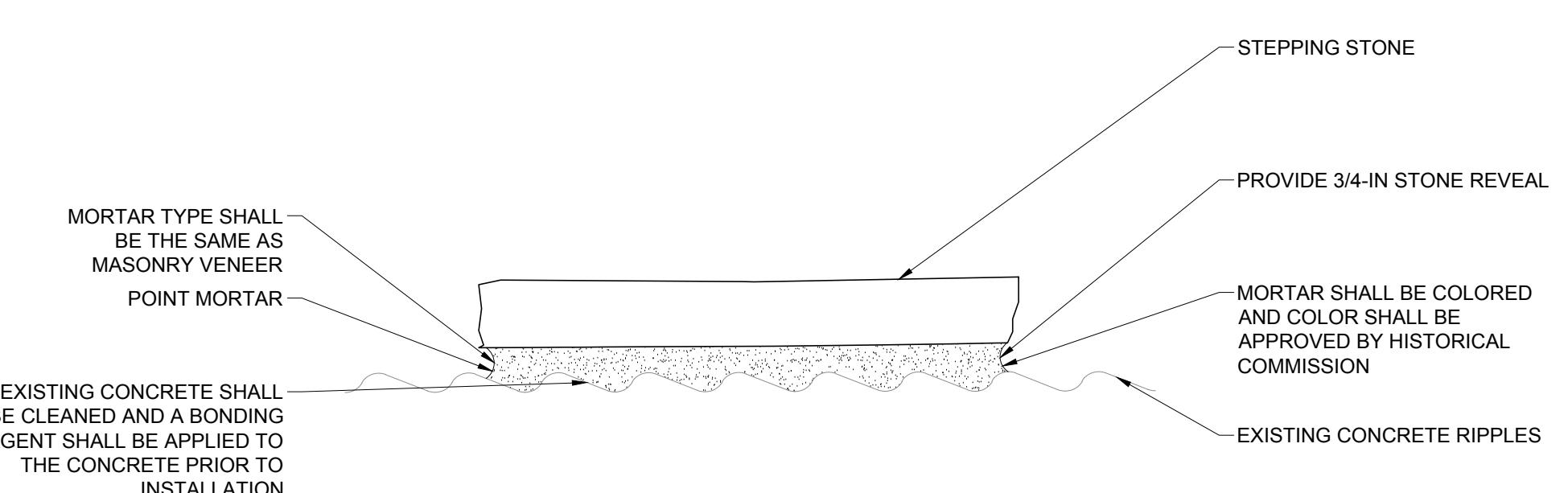
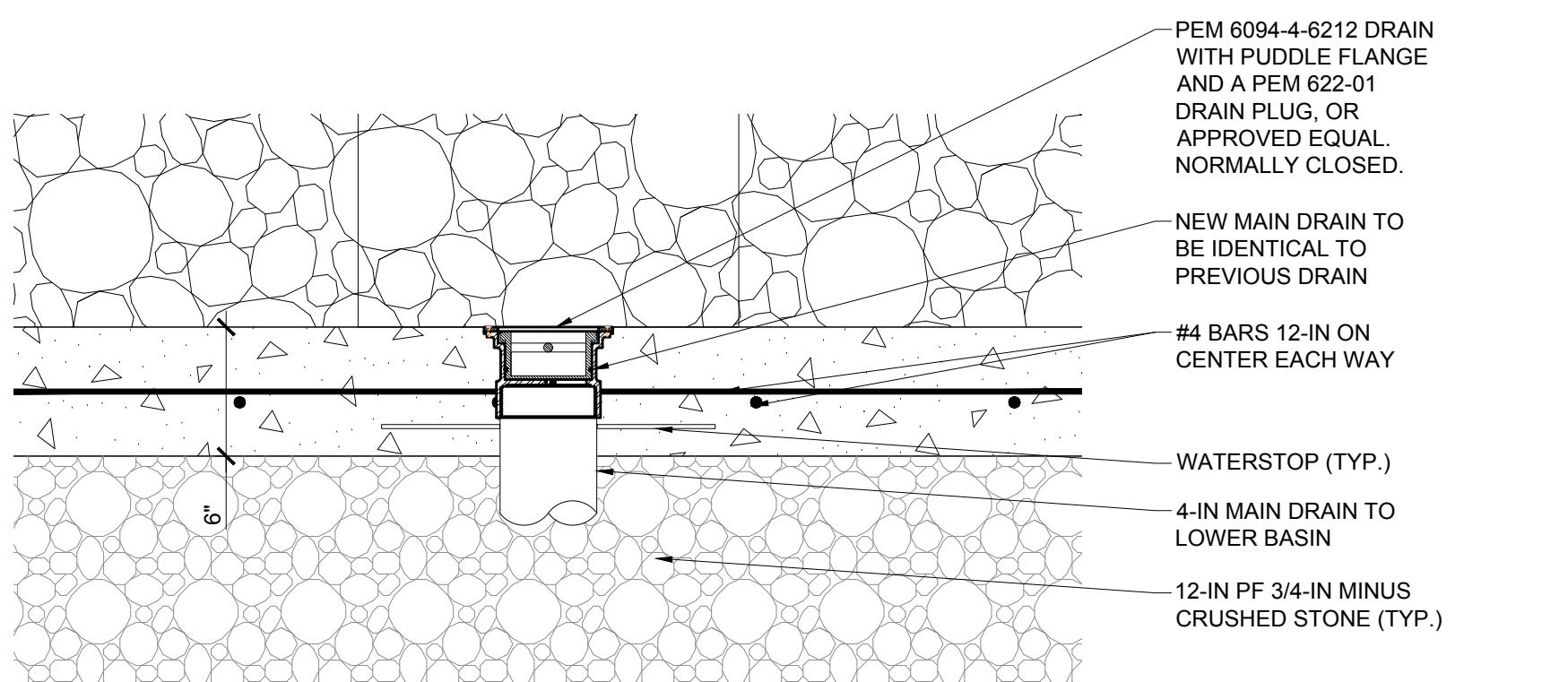
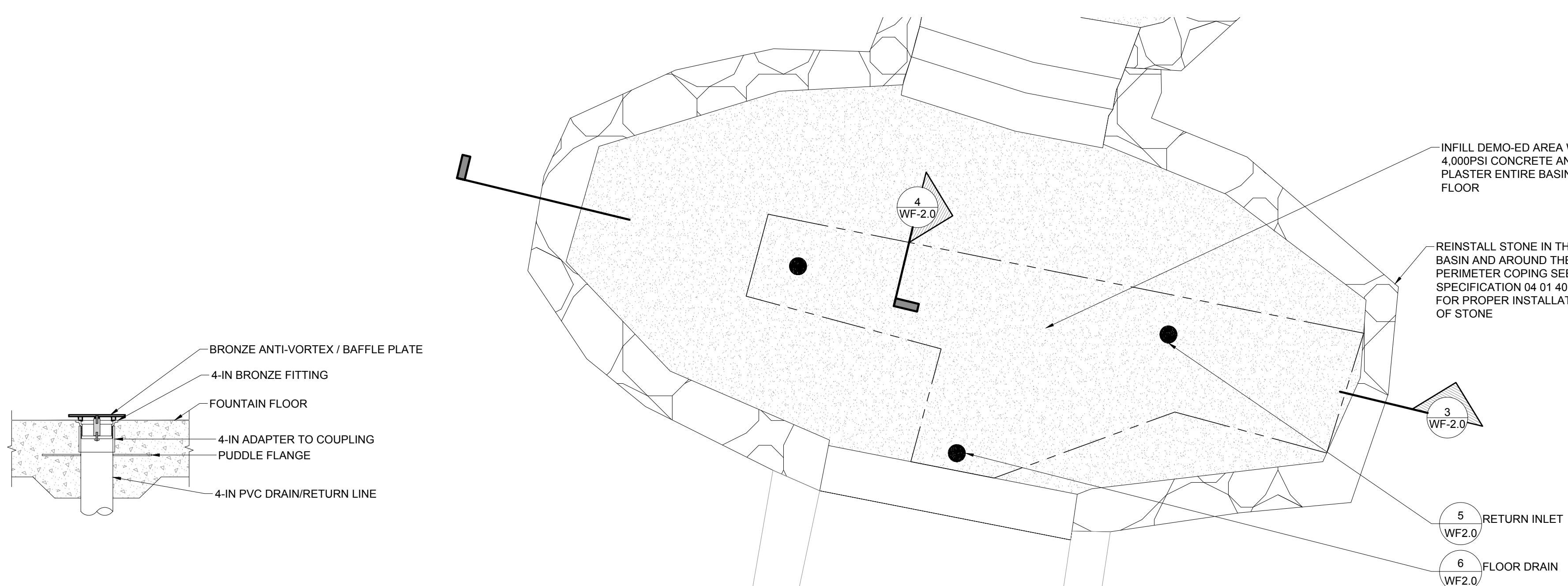
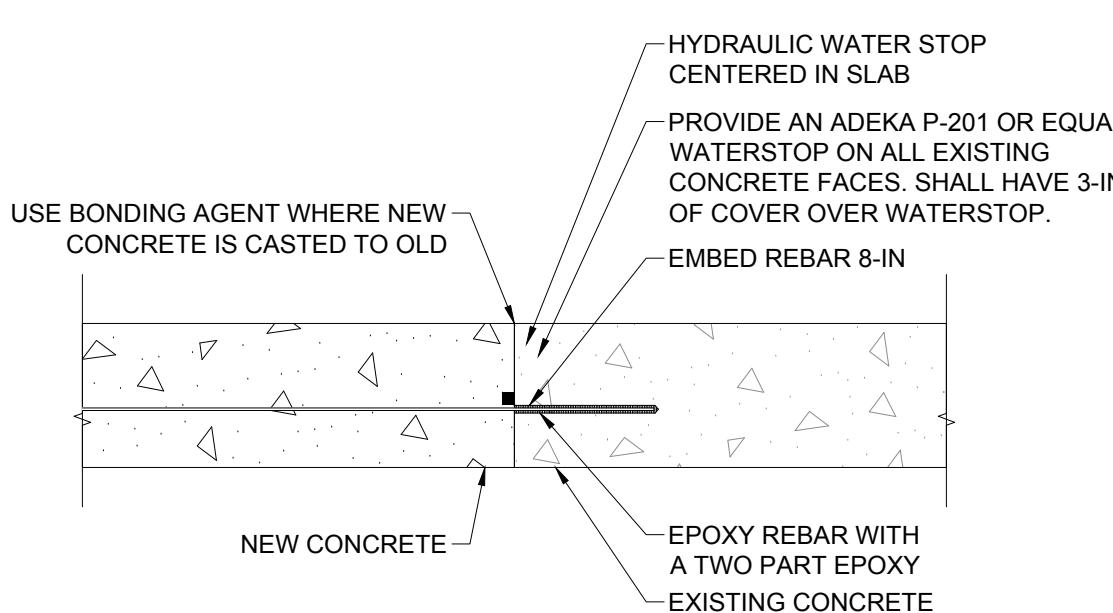
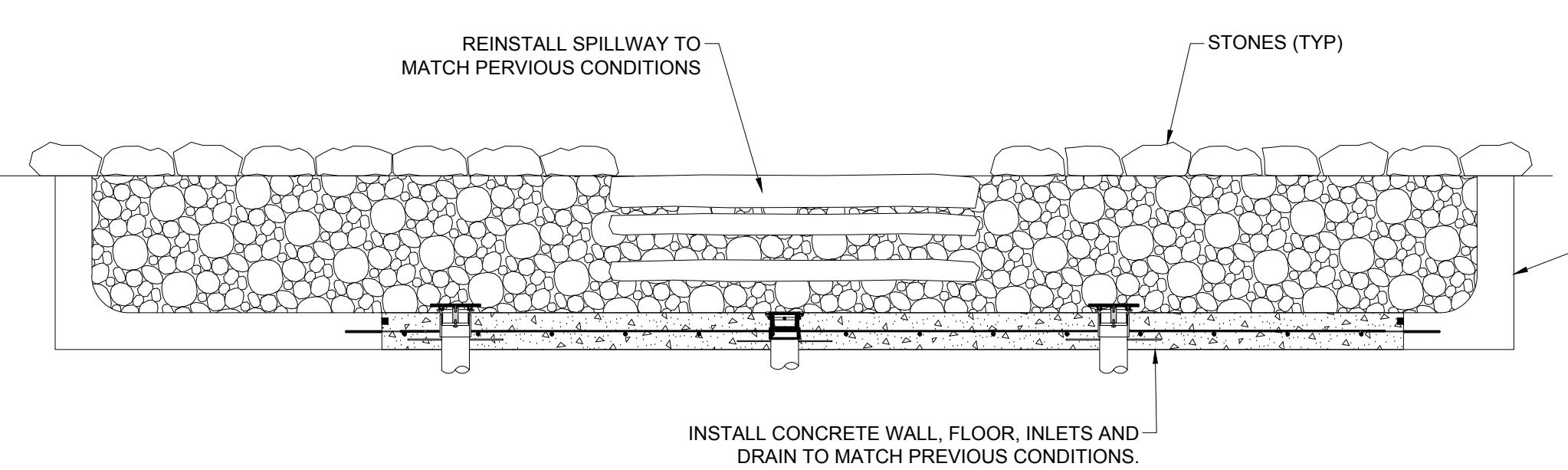
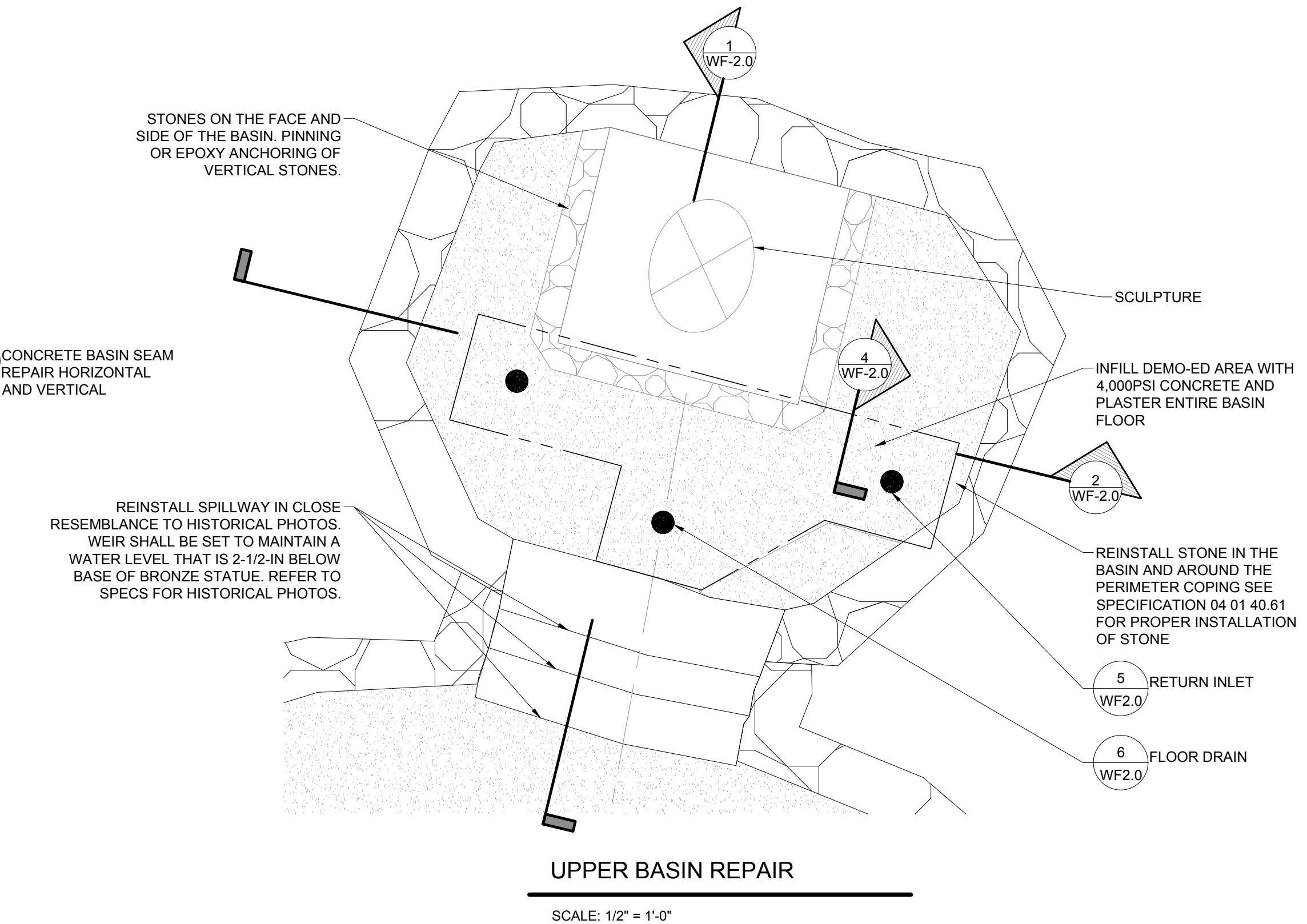
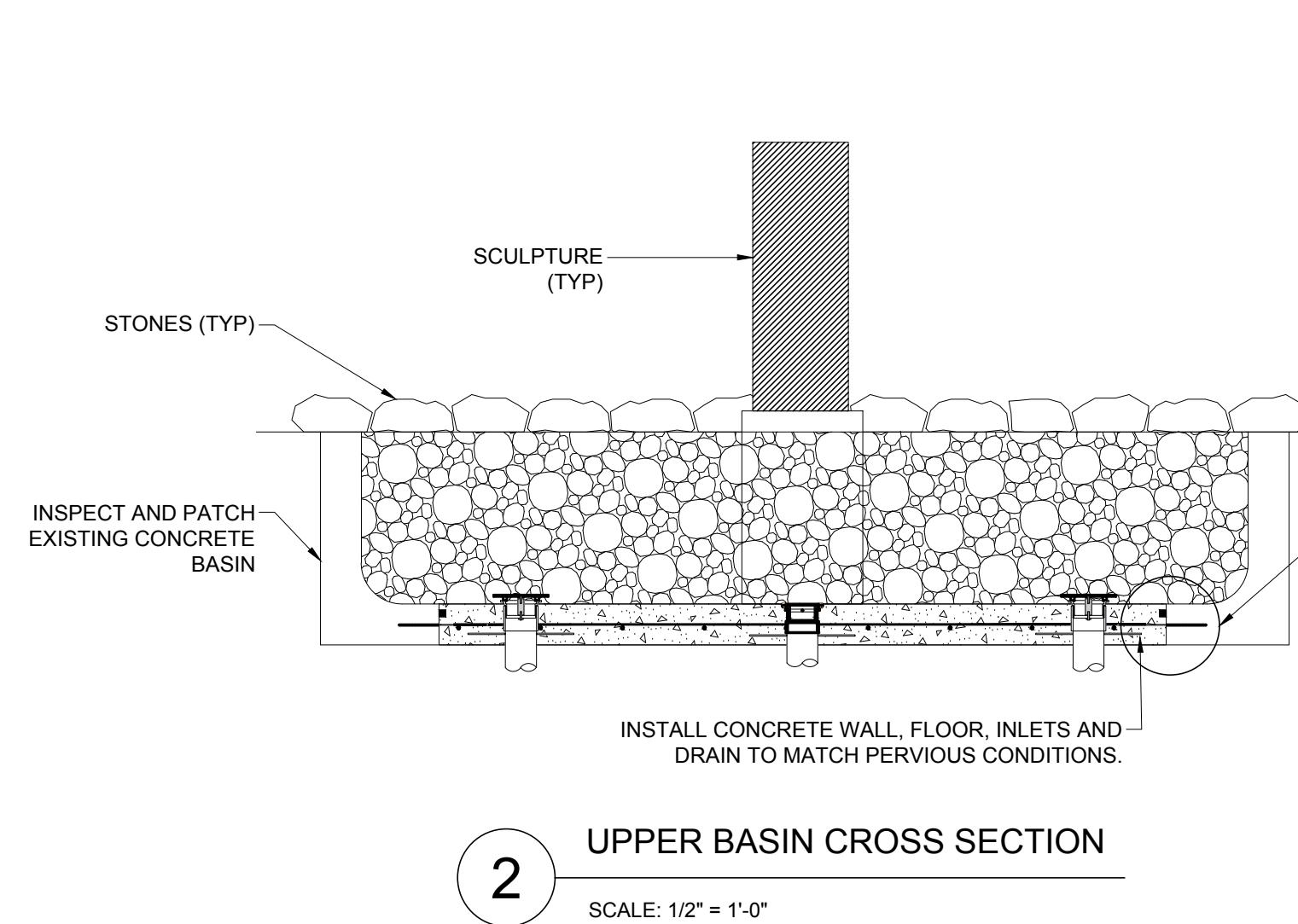
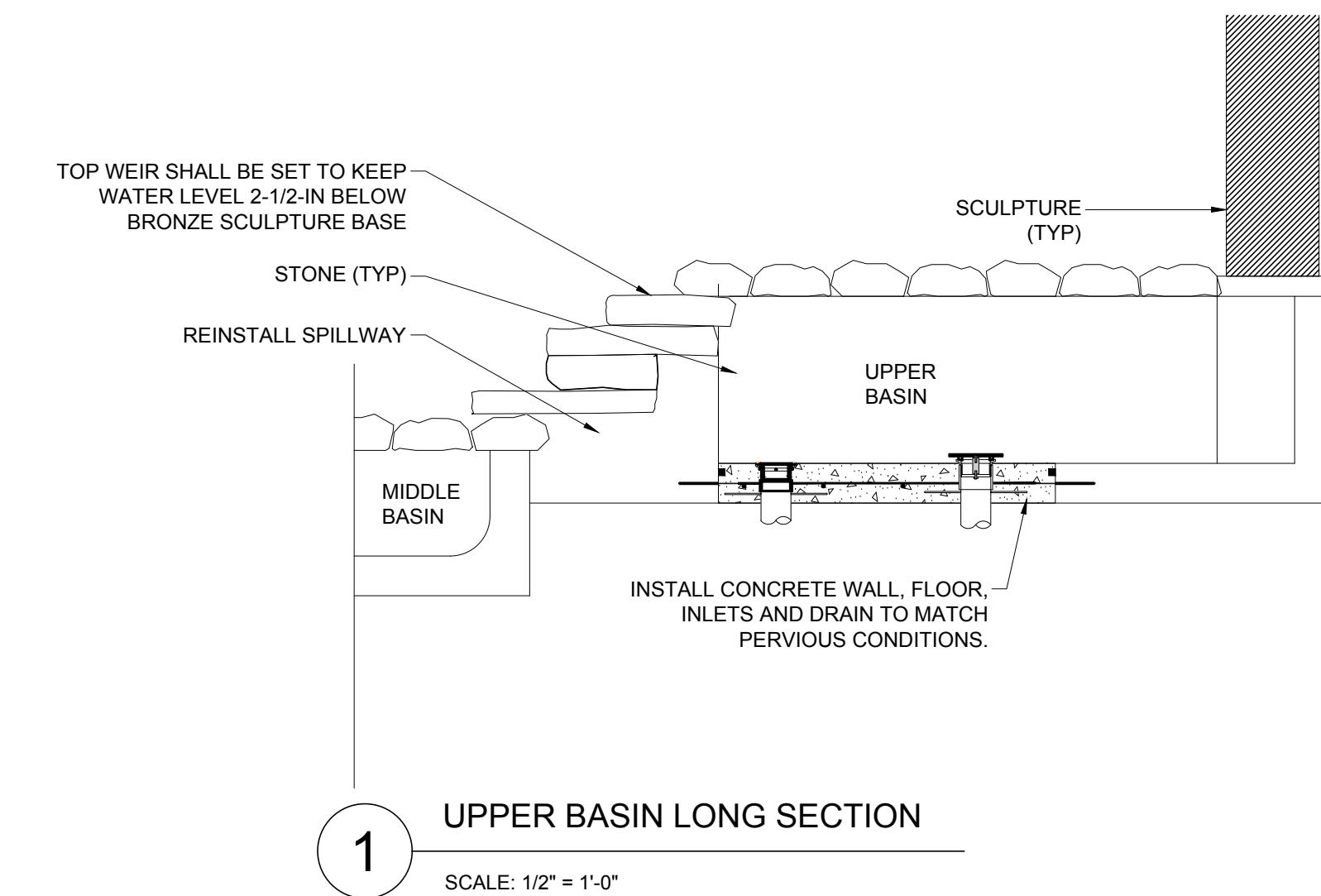
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LOWER BASIN DETAILS

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WF1.1

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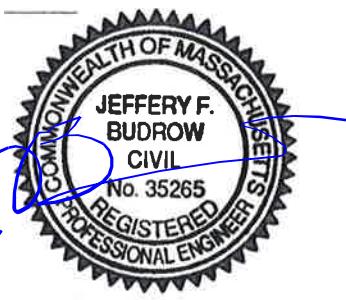
Consultants:



- NOTES:**
1. ALL REMOVED PIECES WILL BE CATALOGED, CLEANED AND TAGGED TO INSURE ALL PIECES ARE REINSTALLED IN THE EXACT ORDER, LOCATION AND POSITION AS PRIOR TO CONSTRUCTION.
 2. CONTRACTOR IS RESPONSIBLE FOR ALL STONE PIECES. ANY STONE PIECE NOT CORRECTLY PLACED SHALL BE REMOVED AND RESET TO THE CORRECT LOCATION/POSITION.
 3. ALL BASINS SHALL BE WATERPROOFED WITH CEMENTITIOUS WATERPROOFING. AFTER INSTALLATION OF ALL WATER FITTINGS. CONCRETE SHALL BE GIVEN ADEQUATE TIME TO CURE PRIOR TO WATERPROOFING, PER MANUFACTURERS SPECIFICATION.
 4. FINAL ELEVATION (DEPTH) OF ALL BASINS (UPPER, MID AND LOWER) SHALL BE RETURNED TO PREVIOUS ELEVATIONS (DEPTHS). CONTRACTOR SHALL SURVEY AND RECORD ALL ELEVATIONS.
 5. USE FOR WATERSTOP ON CONSTRUCTION JOINTS, ADEKA P-201 OR APPROVED EQUAL.
 6. BASIN SHALL BE WATERPROOFED WITH A CEMENTITIOUS WATERPROOFING TINTED WITH BLACK DYE TO CREATE A BLACK FINISH.
 7. THE FLOOR OF THE UPPER AND MID BASINS SHALL BE FINISHED WITH A BLACK PLASTER FINISH.

Revisions:		
Rev	Date	Description

Seal:



CONSTRUCTION DOCUMENTS

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Scale:	AS NOTED
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Approved By:	JFB

Drawing Title:

**MIDDLE AND UPPER
BASIN REPAIRS**

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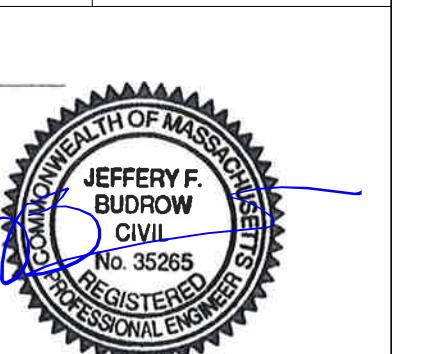
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Scale:	AS NOTED
Drawn By:	KTE/SAA
Reviewed By:	MPM
Checked By:	TMS
Approved By:	JFB

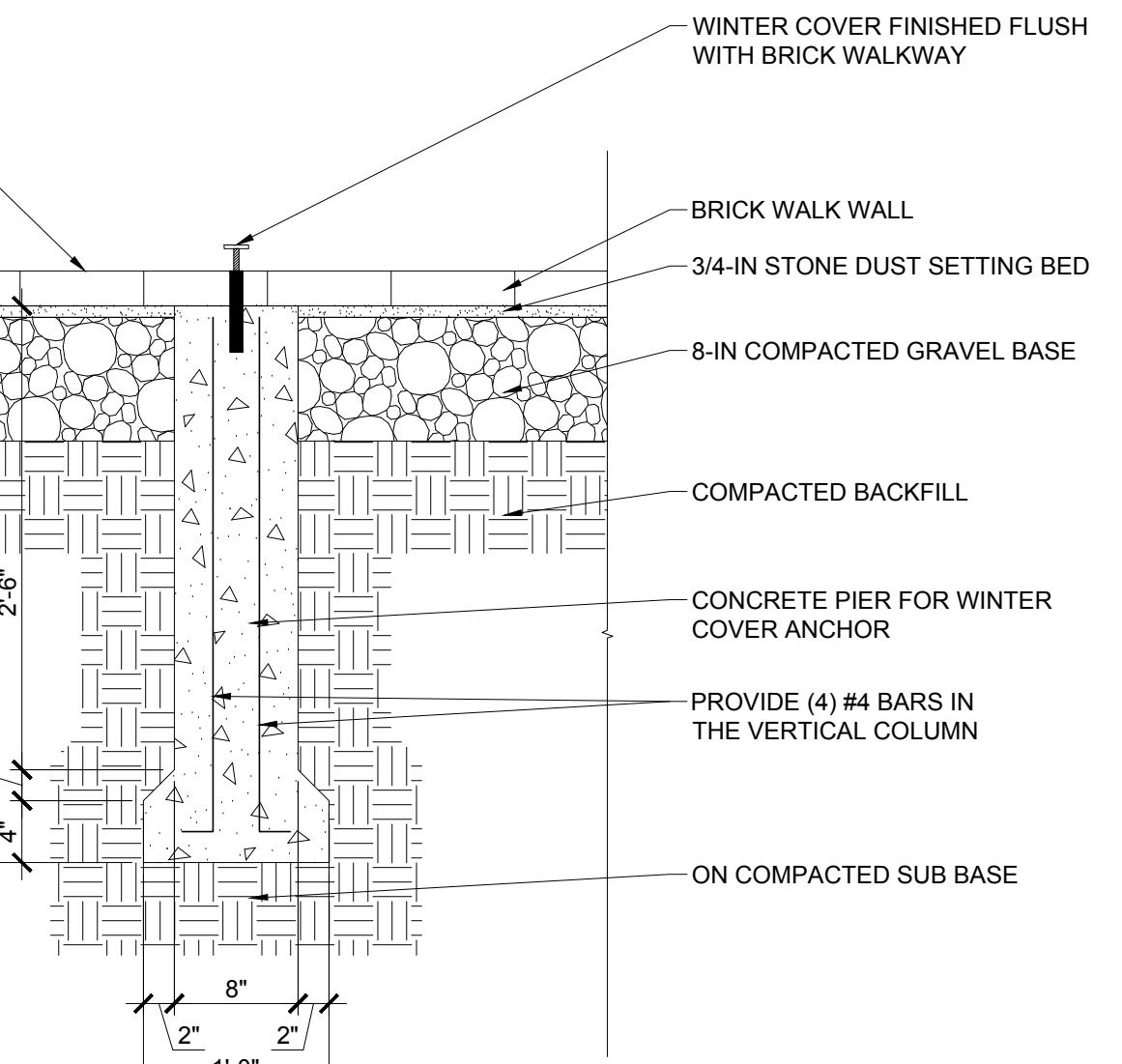
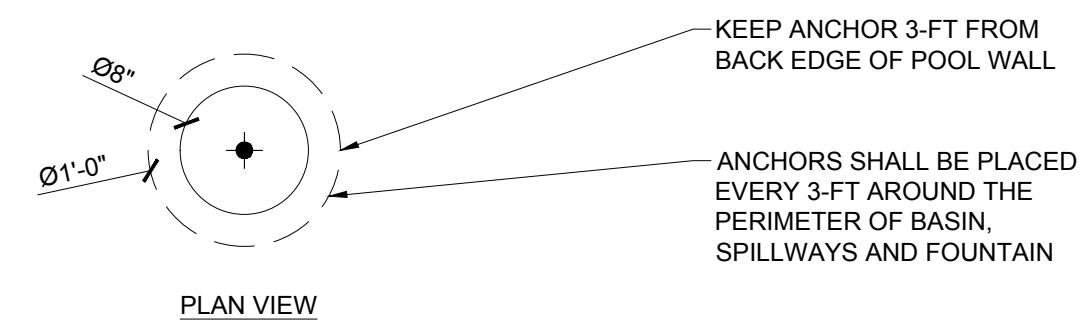
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BASIN COVER ALT #2

Sheet Number:

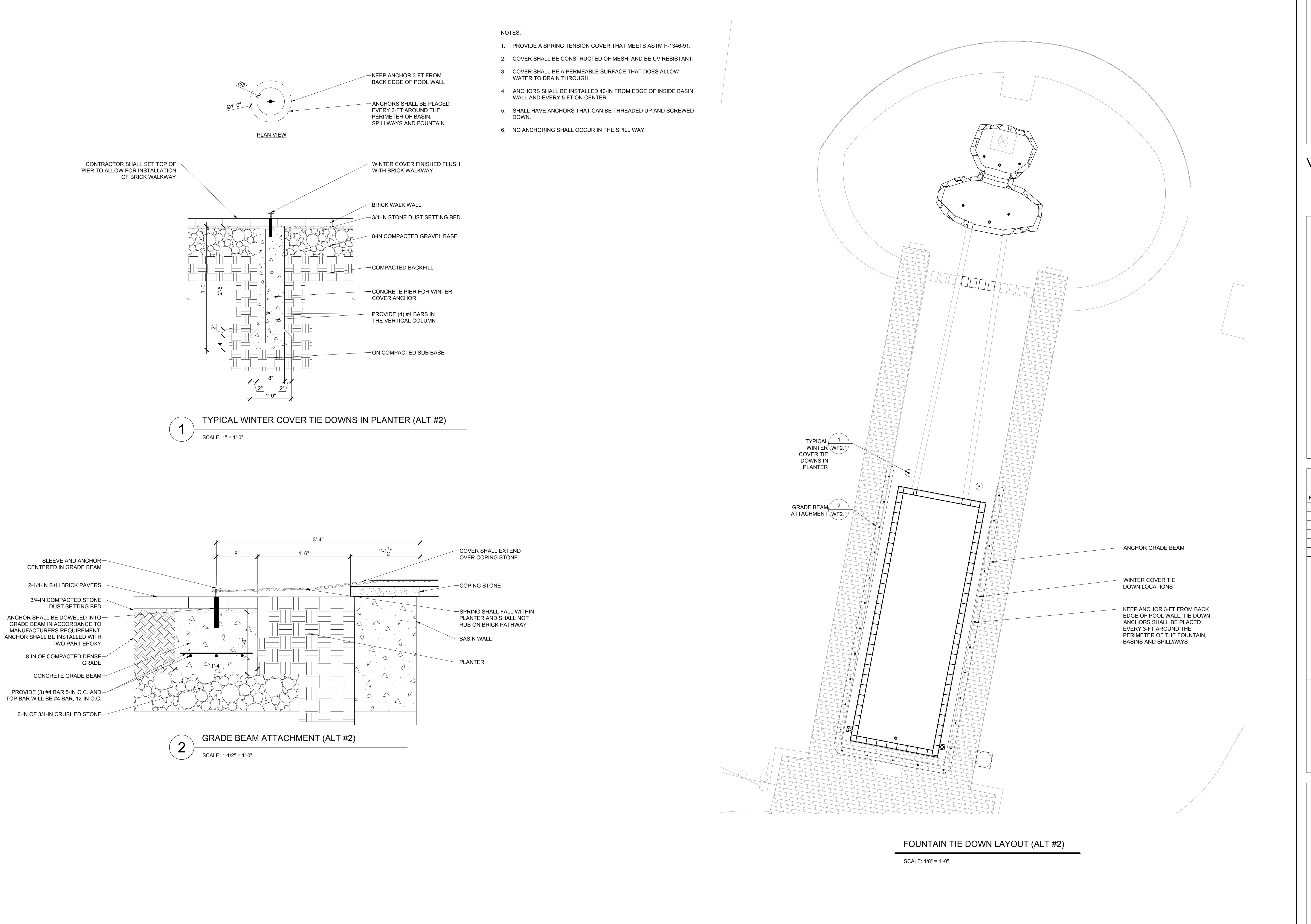
WF-2.1

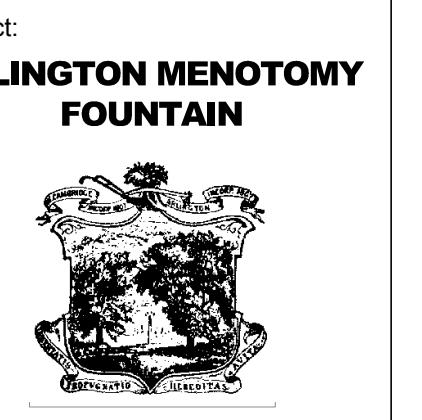
- NOTES:
1. PROVIDE A SPRING TENSION COVER THAT MEETS ASTM F-1346-91.
 2. COVER SHALL BE CONSTRUCTED OF MESH, AND BE UV RESISTANT.
 3. COVER SHALL BE A PERMEABLE SURFACE THAT DOES ALLOW WATER TO DRAIN THROUGH.
 4. ANCHORS SHALL BE INSTALLED 40-IN FROM EDGE OF INSIDE BASIN WALL AND EVERY 5-FT ON CENTER.
 5. SHALL HAVE ANCHORS THAT CAN BE THREADED UP AND SCREWED DOWN.
 6. NO ANCHORING SHALL OCCUR IN THE SPILL WAY.



1 TYPICAL WINTER COVER TIE DOWNS IN PLANTER (ALT #2)

SCALE: 1" = 1'-0"





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Consultants:

Revisions:
Rev Date Description



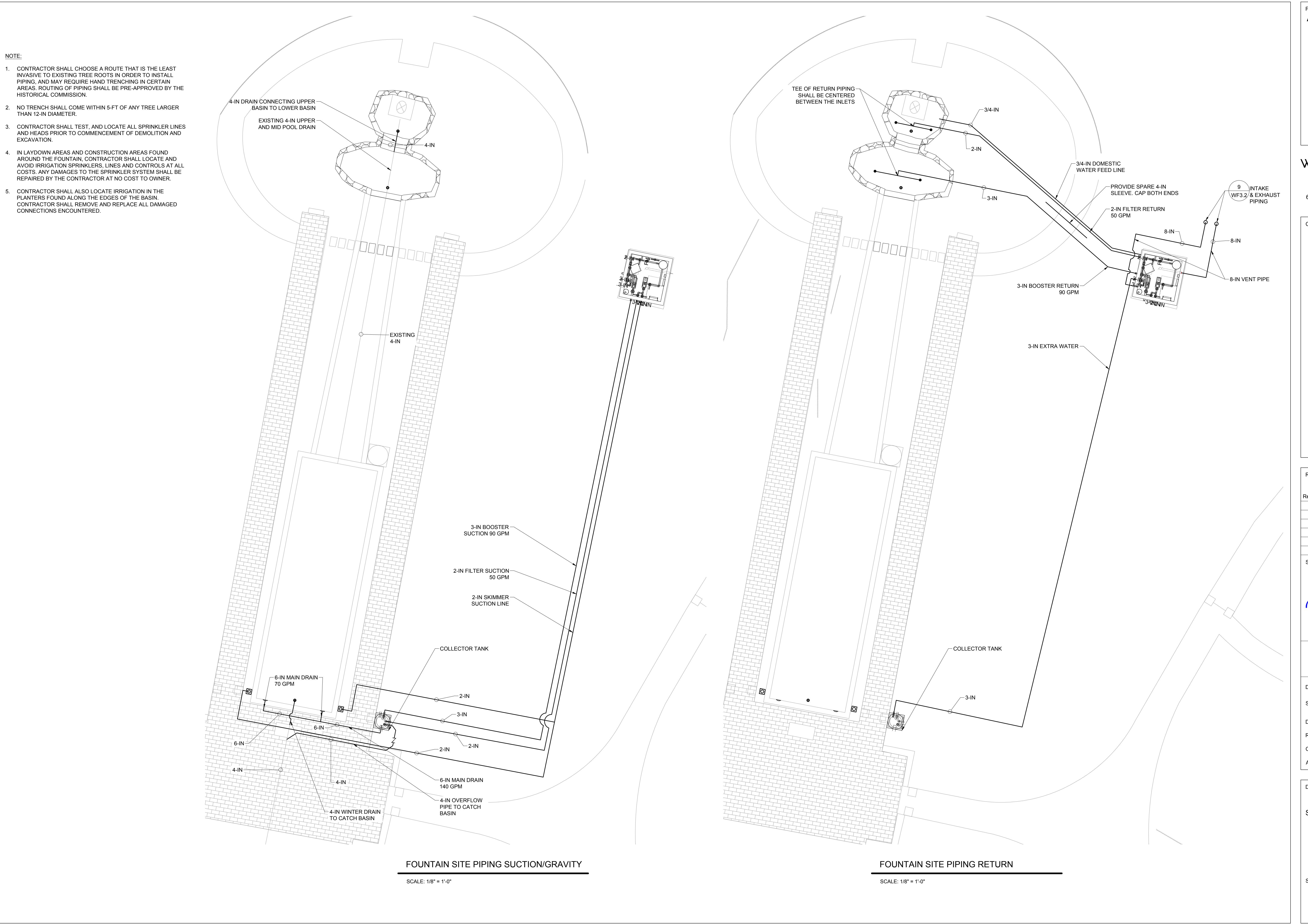
CONSTRUCTION DOCUMENTS

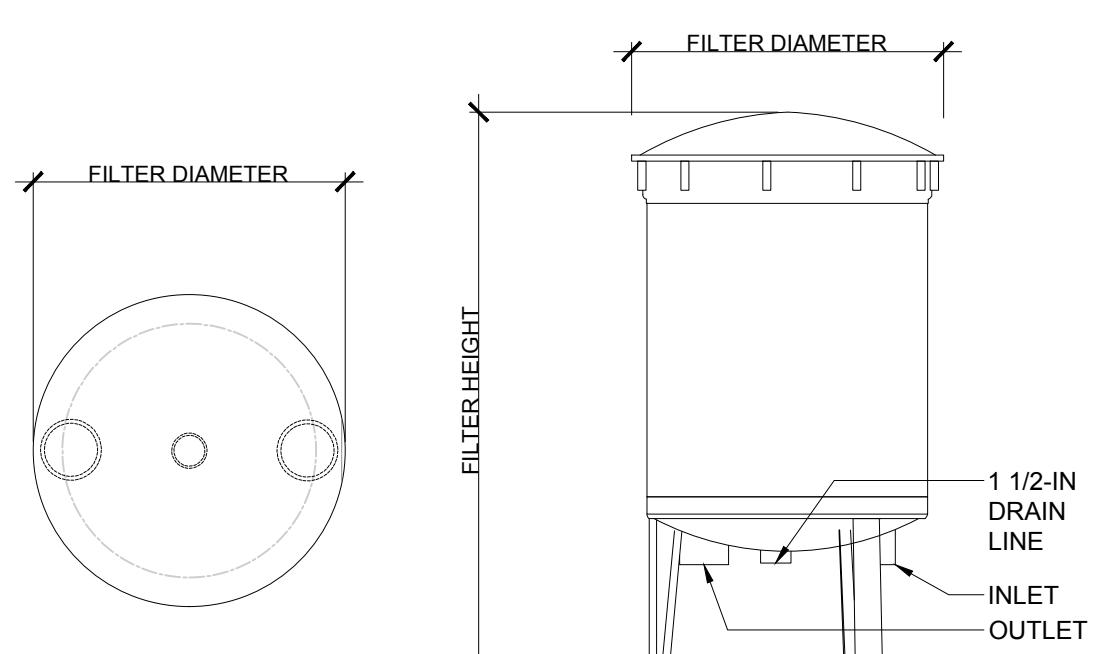
Date:	03/02/2018
Scale:	AS NOTED
Drawn By:	KTE/SAA
Reviewed By:	MPM
Checked By:	TMS
Approved By:	JFB

Drawing Title:
SITE PIPING

Sheet Number:

WF3.1

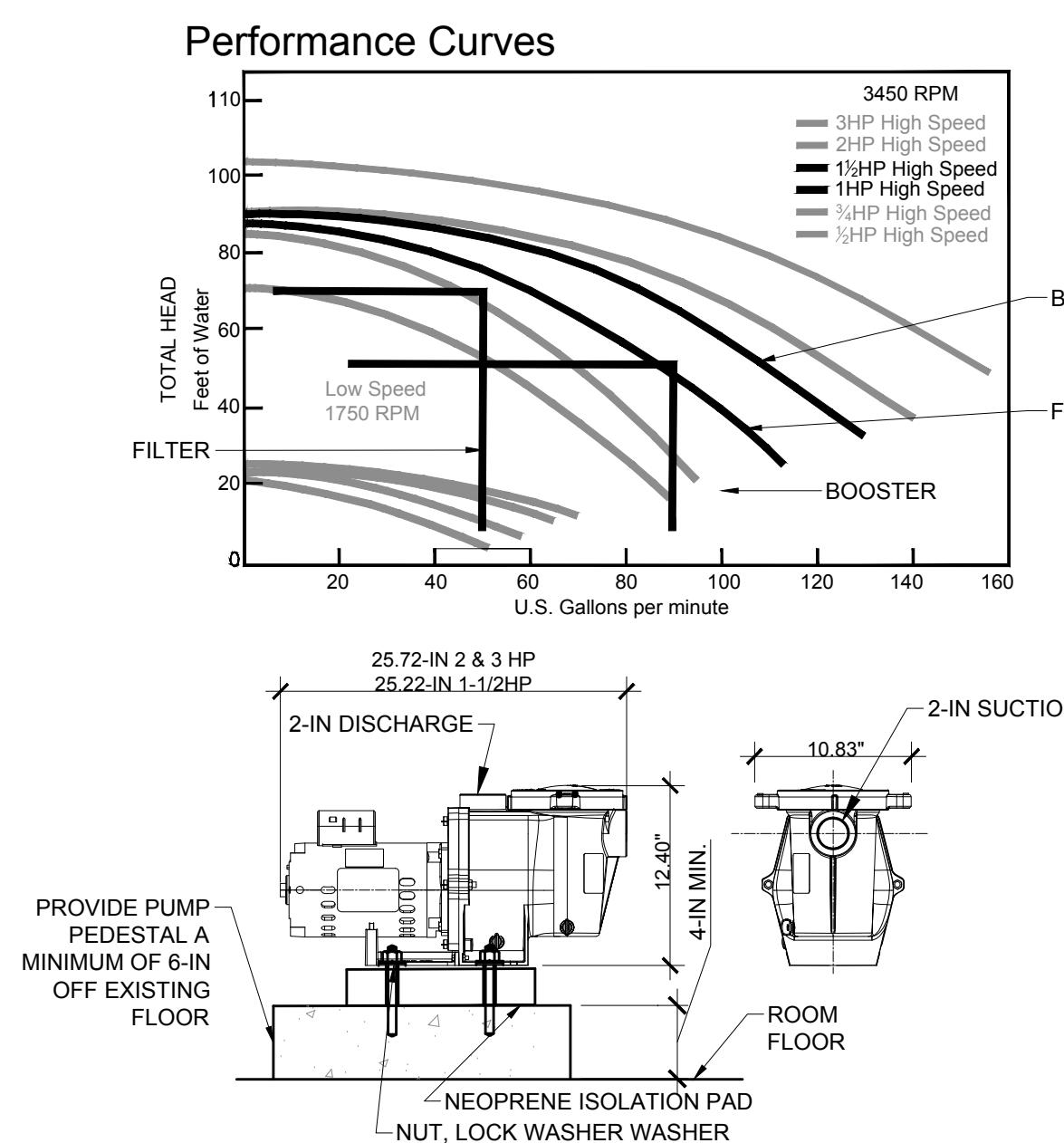




HARMSCO FILTRATION PRODUCTS

FILTER MODEL	FILTER TYPE	FILTER AREA	NUMBER OF CARTRIDGES	FILTER HEIGHT	FILTER DIAMETER	INLET	OUTLET
BF-336	CARTRIDGE	336 SQ. FT.	56	52-INCH	18-INCH	3-IN	3-IN

1 FILTER
SCALE: 3/4" = 1'-0"

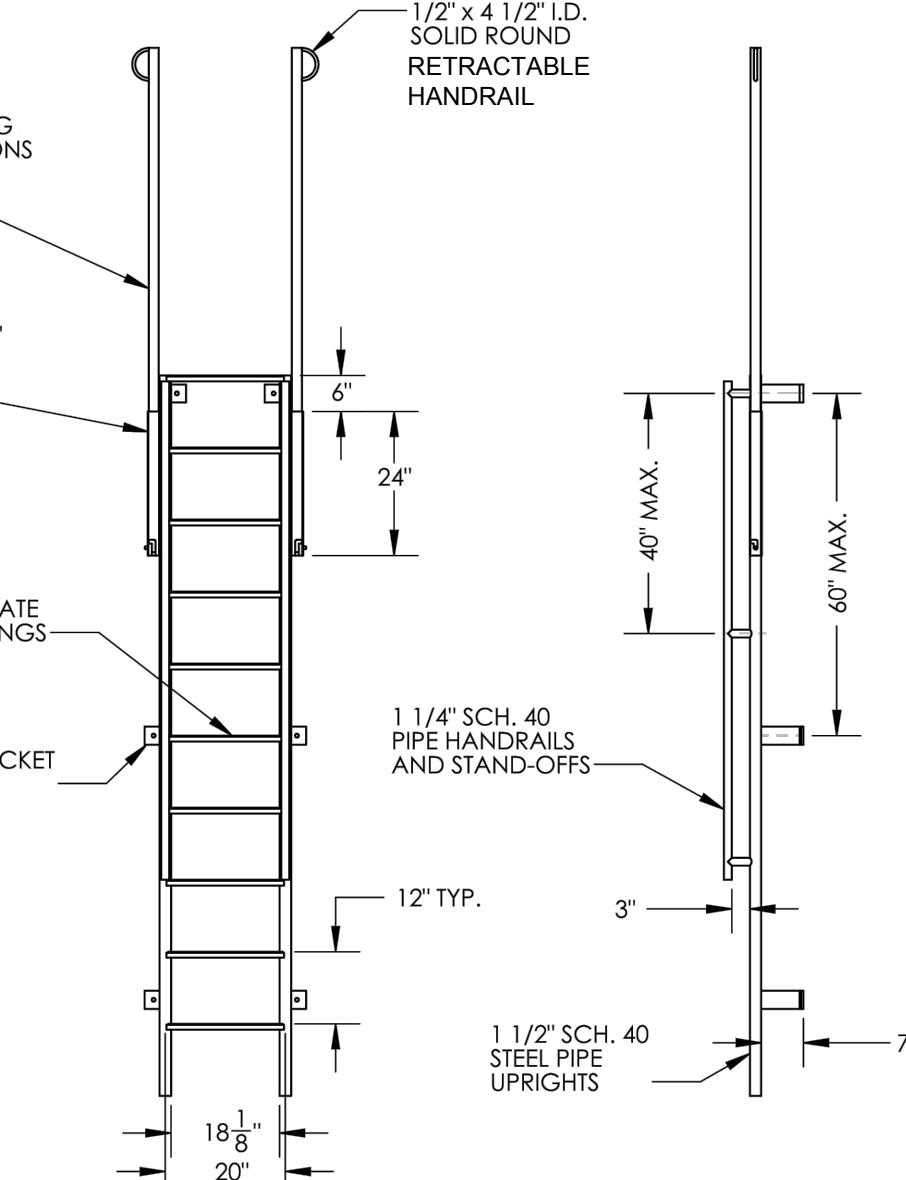


1 FILTER
SCALE: 3/4" = 1'-0"

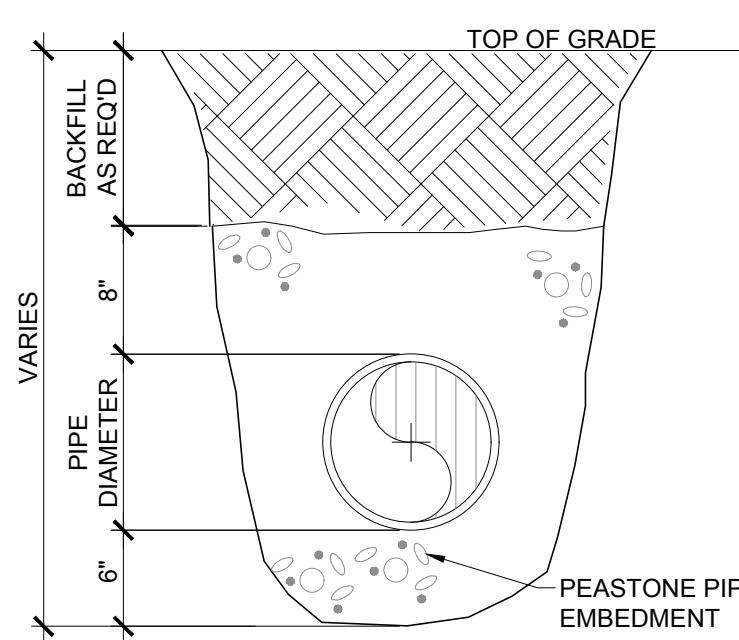
2 FILTER AND BOOSTER PUMP
SCALE: NOT TO SCALE

3 OZONE/UV
SCALE: NOT TO SCALE

4 PIPE CEILING SUPPORT
SCALE: NOT TO SCALE



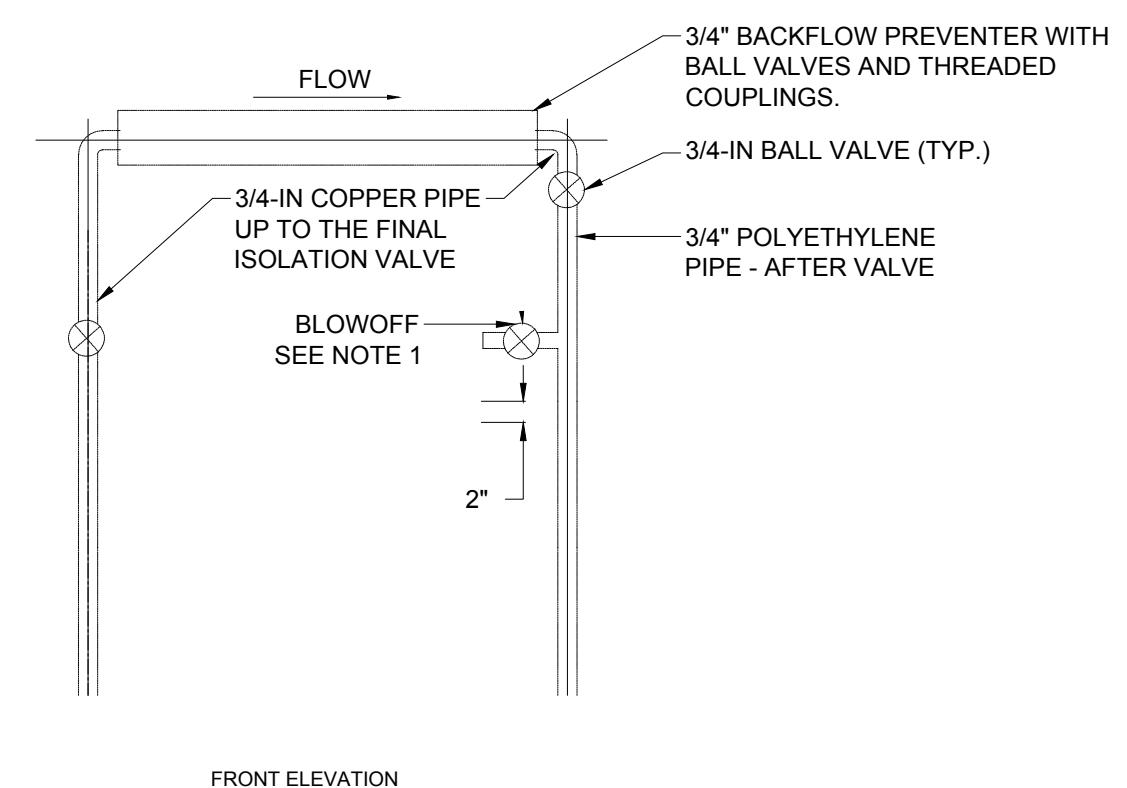
5 LADDER
SCALE: NOT TO SCALE



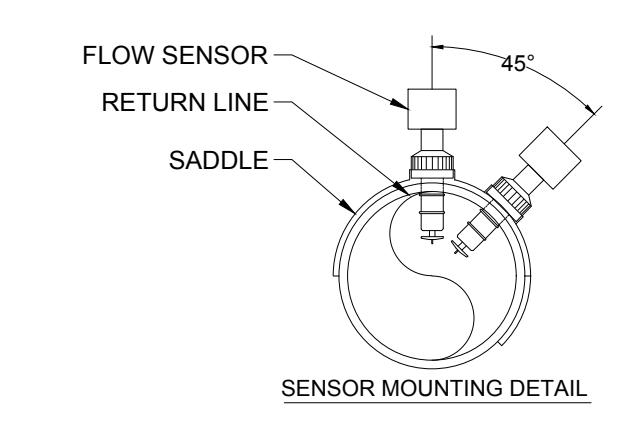
6 BURIED PIPE
SCALE: NOT TO SCALE

NOTE:

1. INSTALL A BRASS BLOWOFF FITTING AND VALVE ON THE OUTFLOW SIDE OF THE BACKFLOW PREVENTION DEVICE TO WINTERIZE THE SYSTEM AS REQUIRED.
2. THE BACKFLOW PREVENTER & METER SHALL BE INSTALLED WITH UNIONS, HANGERS, SUPPORTS AND ALL OTHER APPROPRIATE FITTINGS, IN ORDER TO EASILY REMOVE THE DEVICE FOR SERVICE AND TO MEET ALL APPLICABLE PLUMBING CODES. 1 1/2" WATER METER TO BE SUPPLIED BY THE TOWN.
3. CONFIRM LAYOUT AND ALIGNMENT REQUIREMENTS FOR ALL PIPING, FITTINGS, VALVES, METER, AND BACKFLOW PREVENTER WITH TOWN OF BROOKLINE PLUMBING INSPECTOR PRIOR TO INSTALLATION.

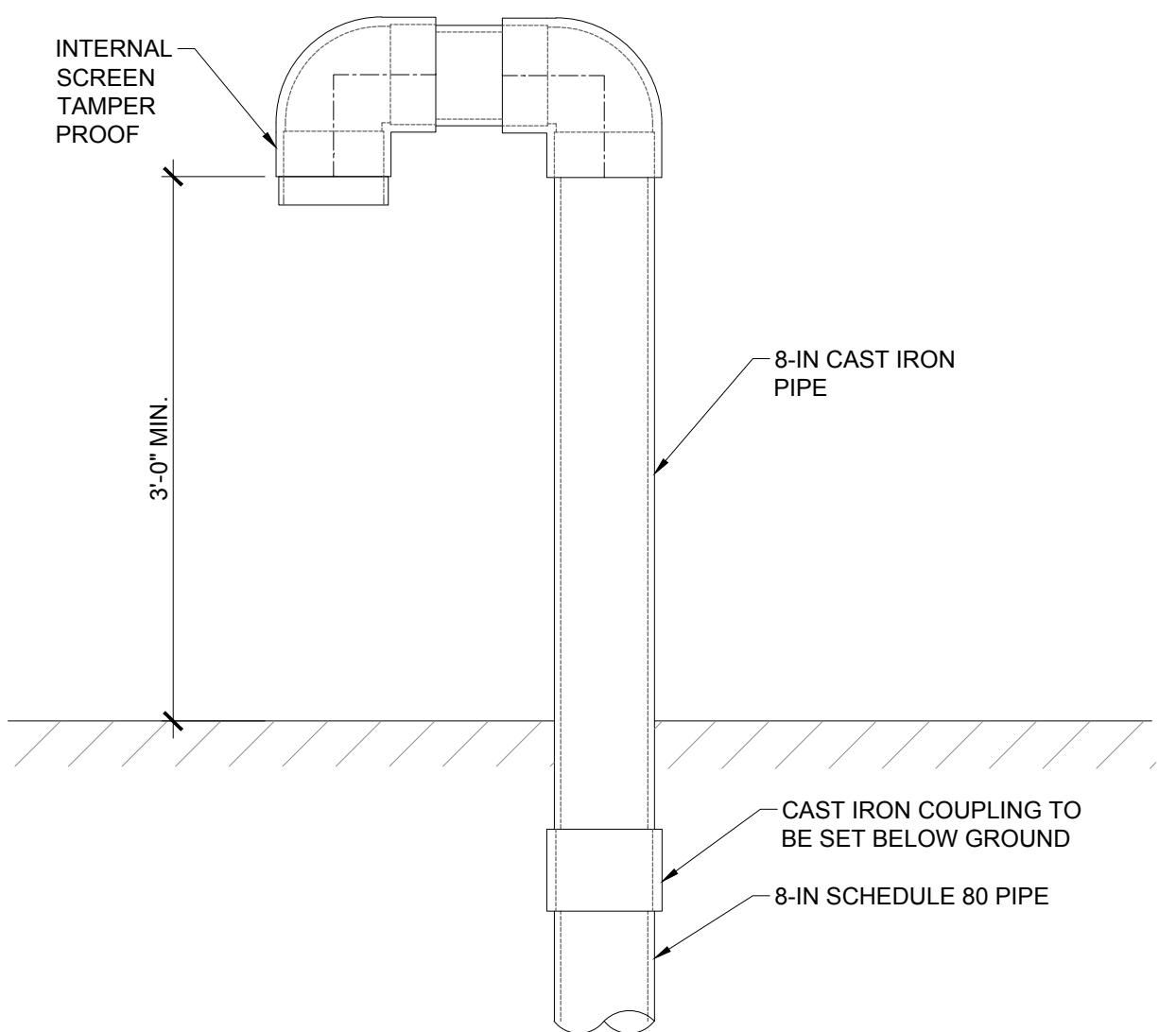


8 BACKFLOW PREVENTER
SCALE: NOT TO SCALE

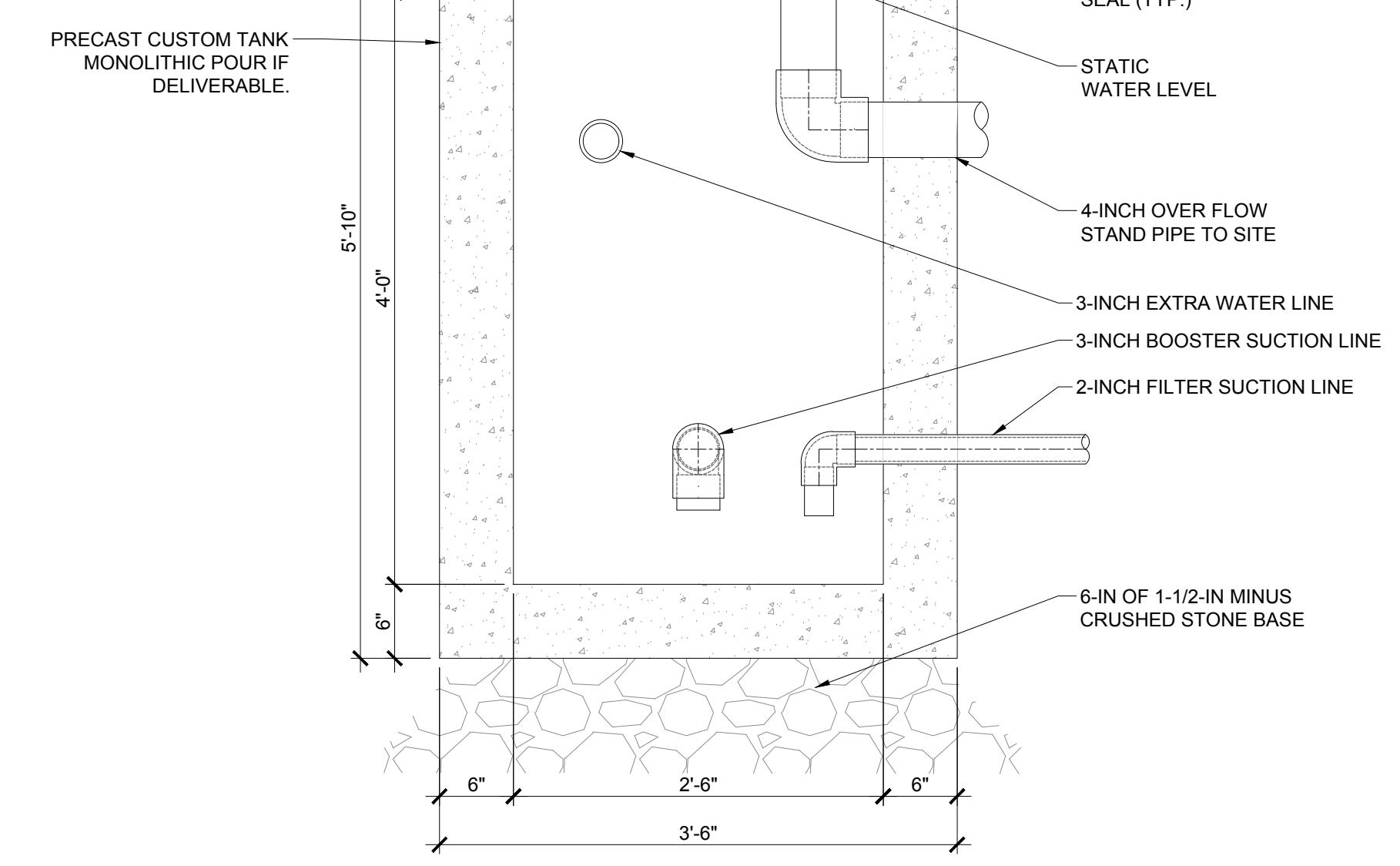
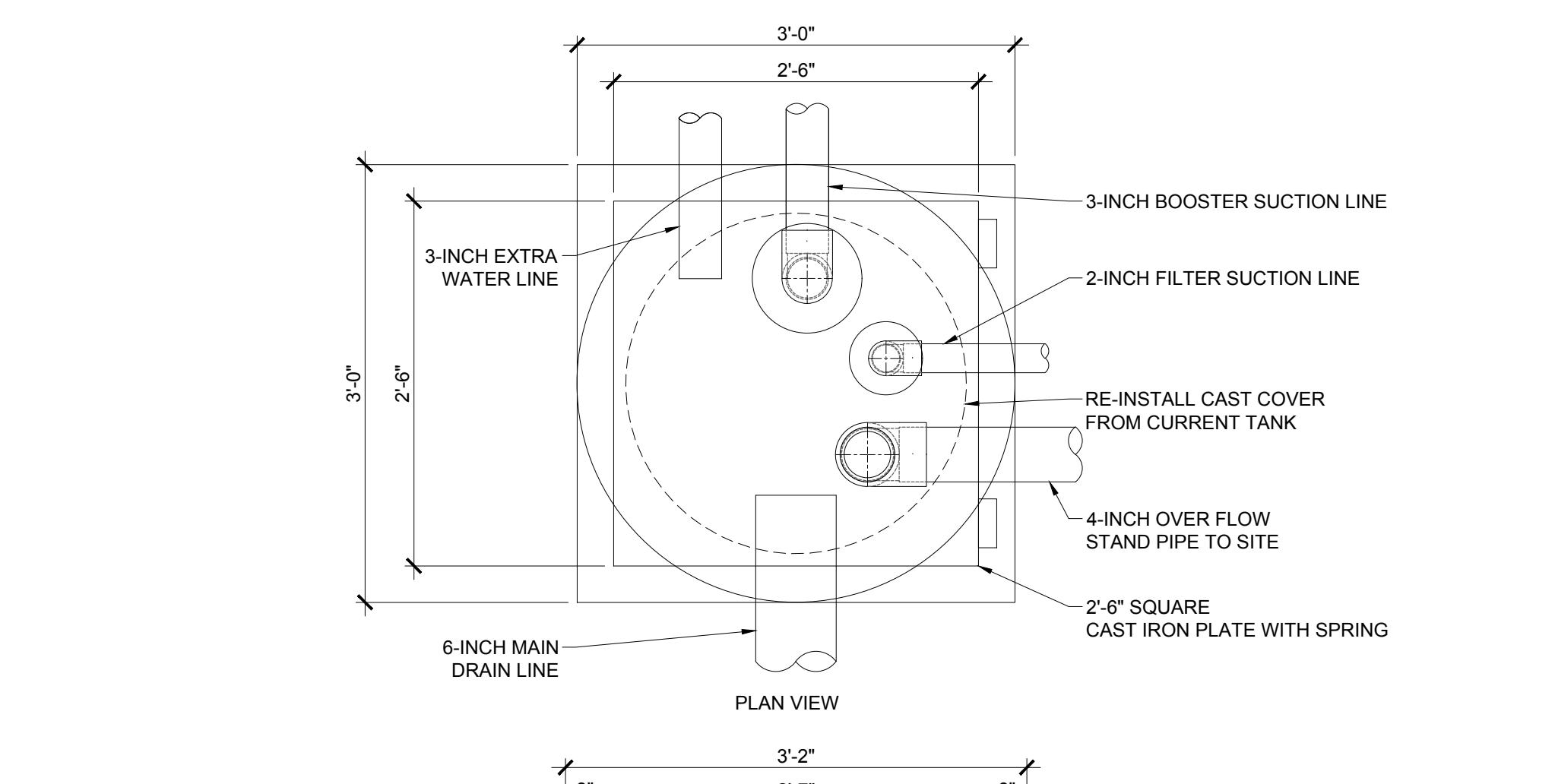


FITTINGS	UPSTREAM DISTANCE	DOWNTREAM DISTANCE
FLANGE	10x I.D.	5x I.D.
REDUCER	15x I.D.	5x I.D.
90° ELBOW	20x I.D.	5x I.D.
2 x 90° ELBOW 3 DIMENSIONS	25x I.D.	5x I.D.
PUMP / VALVE	50x I.D.	5x I.D.

7 FLOW METER
SCALE: NOT TO SCALE



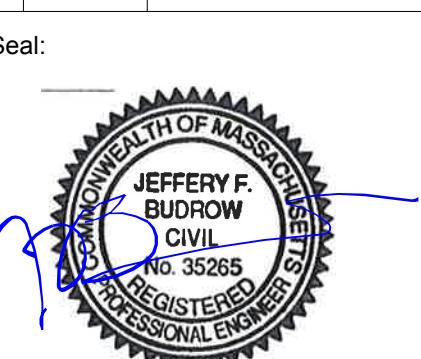
9 INTAKE & EXHAUST PIPING AT FINISHED GRADE
SCALE: NOT TO SCALE



10 TANK
SCALE: 1" = 1'-0"

Revisions:

Rev	Date	Description



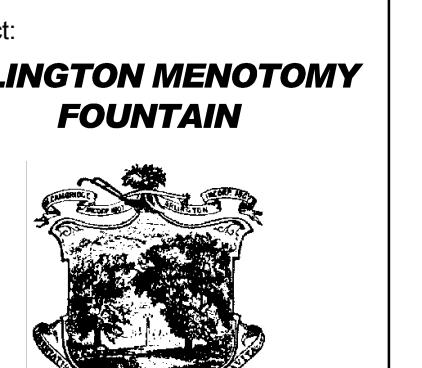
CONSTRUCTION DOCUMENTS		
Date:	03/02/2018	
Scale:	AS NOTED	
Drawn By:	KTE/SAA	
Reviewed By:	MPM	
Checked By:	TMS	
Approved By:	JFB	

Drawing Title:

MECHANICAL DETAILS

Sheet Number:

WF3.2

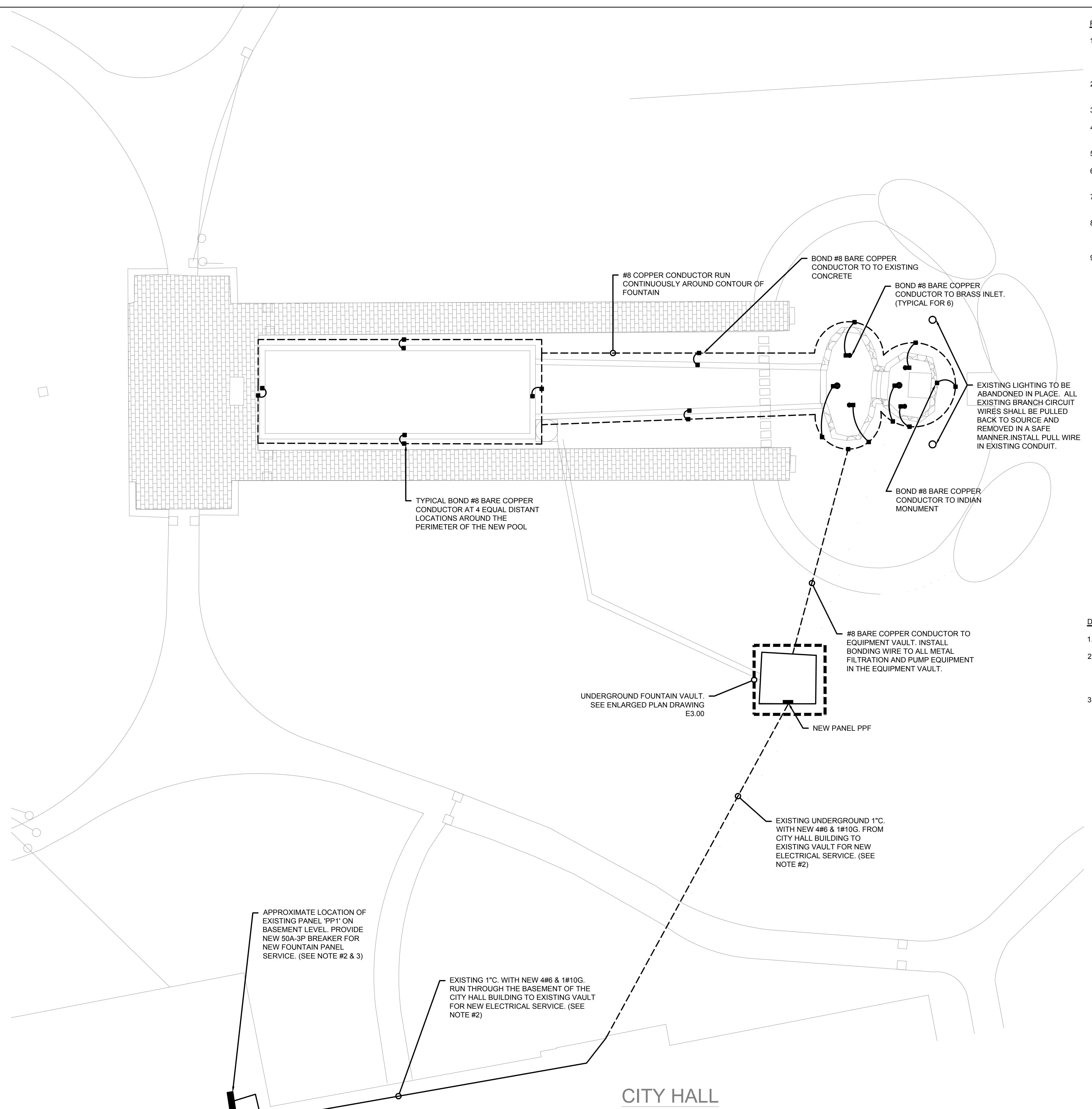


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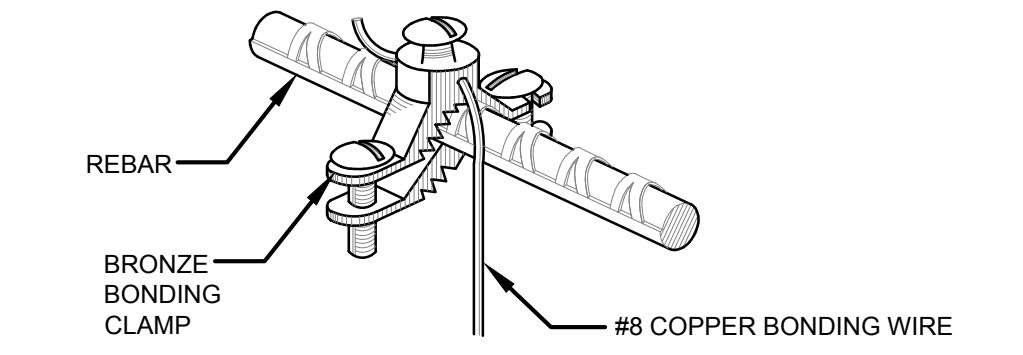
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Consultants:



FOUNTAIN BONDING NOTES:

- ALL METALLIC PARTS OF THE FOUNTAIN STRUCTURES, INCLUDING THE REINFORCING METAL OF THE PAD, FOUNTAINS AND ALL OTHER METALLIC COMPONENTS AS REQUIRED BY CODE SHALL BE BONDED PER THE REQUIREMENTS OF THE CURRENT ELECTRICAL CODE.
- SOLID COPPER BONDING CONDUCTORS SHALL NOT BE SMALLER THAN NO. 8 AWG AND SHALL BE LARGER WHERE INDICATED.
- FURNISH AND INSTALL ANY REQUIRED GROUNDING RODS.
- PROVIDE AND INSTALL BONDING CONDUCTORS THROUGHOUT THE BONDING SYSTEM WITH CONNECTION TO EACH ITEM OF THE SPLASH PAD.
- BONDING CONDUCTORS SHALL BE CONTINUOUS.
- INSULATE ANY SPLICES WITH APPROVED INSULATION KIT AND MAKE WATER TIGHT TO PROTECT FROM CORROSION AND MAINTAIN THE INTEGRITY OF THE SPLICING.
- PROVIDE RED MARKING TAPE BURIED 6" TO 10" BELOW SURFACE INDICATING ANY BURIED BOND WIRES BELOW THAT EXTEND BEYOND THE PERIMETER OF THE SPLASH PAD.
- COORDINATE INSTALLATION OF GROUNDING/BONDING AT THE BEGINNING OF THE PROJECT. ELECTRICIAN MUST BE PRESENT TO PERFORM HIS WORK BEFORE THE CONCRETE IS APPLIED.
- COORDINATE FOR CONNECTION OF ALL POOL REBAR, REINFORCING STEEL, AND EQUIPMENT BONDS BEFORE CONCRETE IS Poured.



BONDING DETAIL

SCALE: NTS

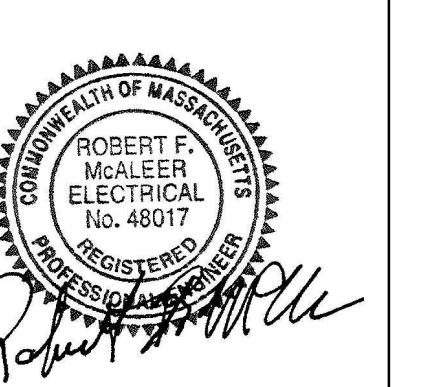
EQUIPOTENTIAL BONDING GRID

- EQUIPOTENTIAL BONDING GRID TO RUN CONTINUOUSLY AROUND THE CONTOUR OF THE FOUNTAIN AND POOL EXTENDING 18" TO 24" FROM THE OUTSIDE WALLS.
- EQUIPOTENTIAL BONDING CONDUCTOR SHALL COMPLY WITH NEC 2017 ARTICLE 680.26.

DRAWING NOTES:

- REFER TO DRAWING E1.00 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.
- ELECTRICAL CONTRACTOR SHALL DISCONNECT EXISTING WIRING IN PANEL PP1 FROM EXISTING 4 - (20A-1P) & 1 - (30A-3P) BREAKERS FEEDING EXISTING FOUNTAIN VAULT. EXISTING 12#12 & 3#10 CONDUCTORS SHALL BE REMOVED FROM THE EXISTING 1C. AND NEW WIRING AS INDICATED SHALL BE INSTALLED.
- EXISTING PANEL IS A GE A-SERIES 120/208V 3Ph, 4W.

Revisions:	Rev	Date	Description



CONSTRUCTION DOCUMENTS

Date:	03/02/2018
Scale:	AS SHOWN
Drawn By:	ICA
Reviewed By:	RFM
Checked By:	RFM
Approved By:	RFM

Drawing Title:
**ELECTRICAL SITE AND
BONDING PLAN**

Sheet Number:
E2.00

1 ELECTRICAL FOUNTAIN VAULT PLAN

SCALE: 1" = 10'-0"
10 5 0 10 200
SCALE: 1" = 10'



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The seal is circular with a scalloped outer edge. The words "COMMONWEALTH OF MASSACHUSETTS" are written in a circle at the top, and "PROFESSIONAL ENGINEER" are at the bottom. In the center, it says "ROBERT F. McALEER ELECTRICAL No. 48017" and "REGISTERED". A handwritten signature "Robert F. McAleer" is written across the bottom of the seal.

CONSTRUCTION DOCUMENTS

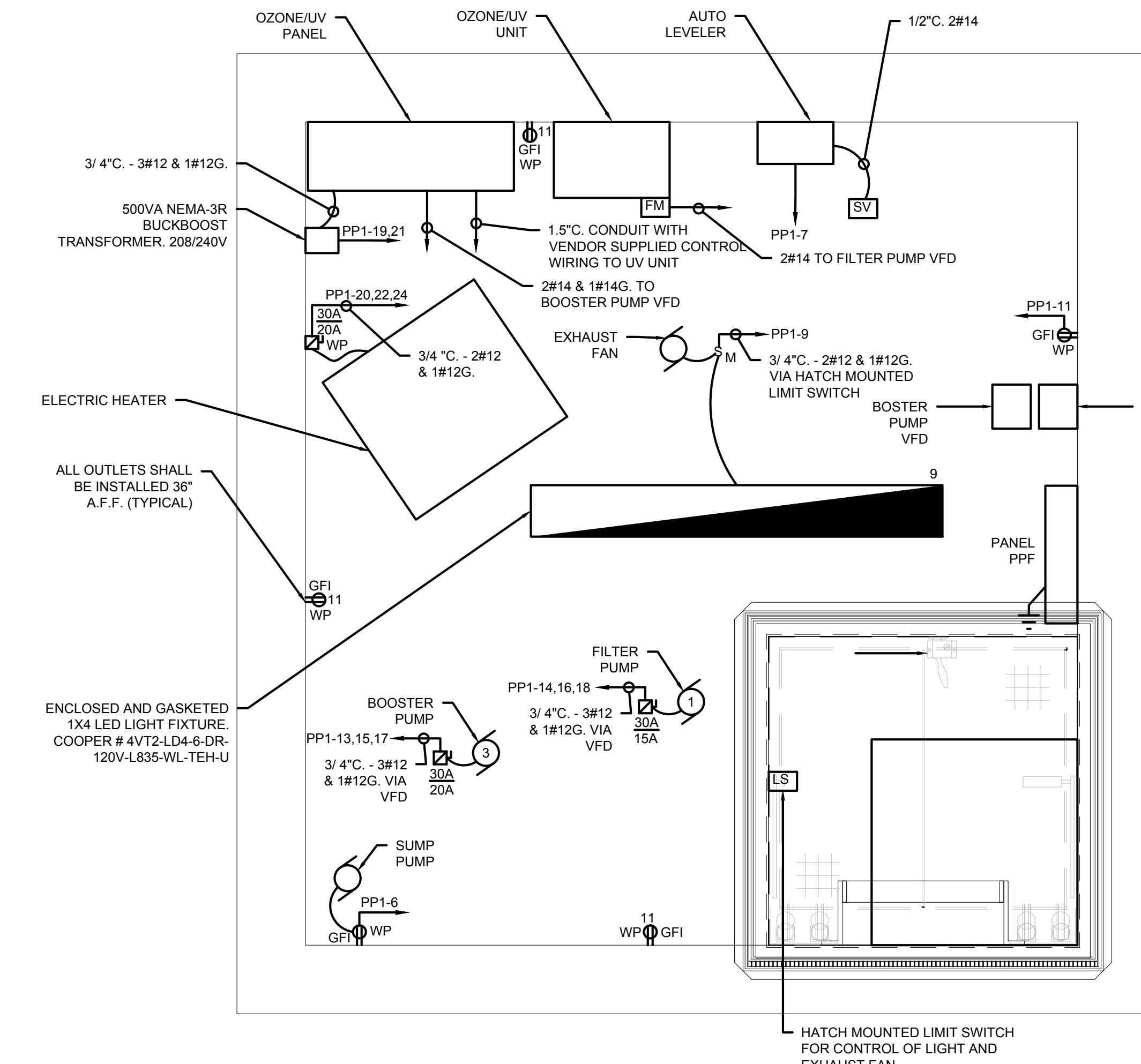
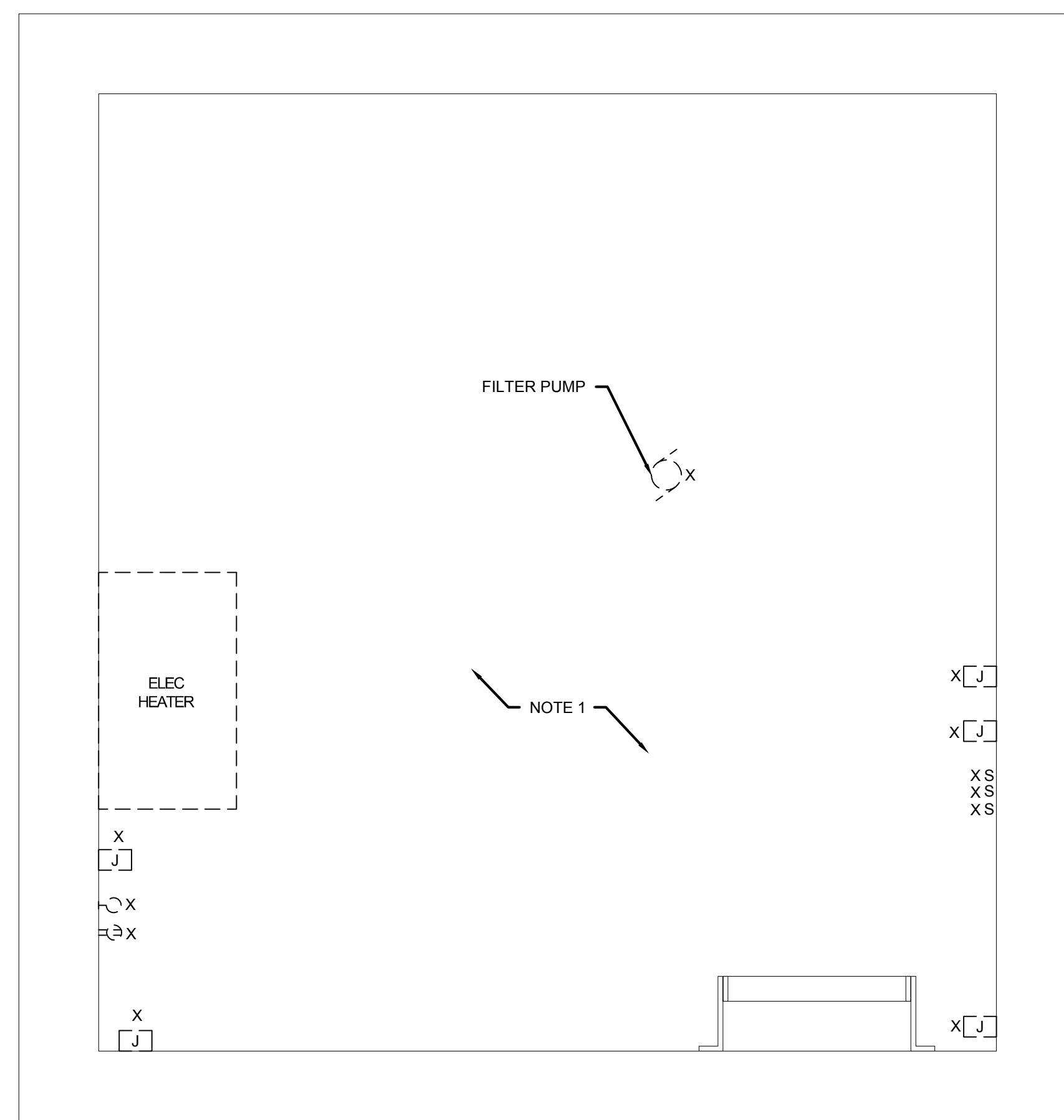
Date: 03/02/2018

Scale: AS SHOWN

Drawn By: ICA
Reviewed By: RFM

Drawing Title:
**ELECTRICAL ENLARGED
V A U L T P L A N**

Sheet Number:
E3.00



1 ELECTRICAL FOUNTAIN VAULT DEMOLITION PLAN

DEMOLITION PLAN NOTES

- ALL EXISTING EQUIPMENT, WIRING, CONDUIT AND ASSOCIATED CONTROLS
WITHIN EXISTING VAULT SHALT BE CUT BACK TO SOURCE AND REMOVED IN A
SAFE MANNER

A horizontal scale bar with tick marks at 1, .5, 0, 1, and 2. The segment from 0 to 1 is shaded black. Below the scale bar is the text "SCALE: 1"-1', 0"

ELECTRICAL FOUNTAIN VAULT PLAN

A scale bar diagram for architectural drawings. It features a horizontal line with tick marks at .5, 0, and 1. The distance between 0 and 1 is labeled as 1'-0". Below the line, the text "SCALE: 1"-0' 0"" is written.

NEW PANEL "PPF" SCHEDULE												
VOLTS	120/208V	REMARKS: SERVICE ENTRANCE RATED NEMA-4X, INCLUDE INTEGRAL SURGE PROTECTION									MAINS	50A MCB
PHASE	1Ø										BUSSING	100A
WIRE	3W										FEED	TOP
A.I.C.	10K										MOUNTING	SURFACE
CIRCUIT	SERVICE DESCRIPTION	LOAD (KVA)	BREAKER	POLES	A	B	POLES	BREAKER	LOAD (KVA)	SERVICE DESCRIPTION	CIRCUIT	
1	SPARE		20A	1P	•		1P	20A		SPARE	2	
3	SPARE		20A	1P		•	1P	20A		SPARE	4	
5	SPARE		20A	1P	•		1P	20A		SPARE	6	
7	AUTO LEVELER		20A	1P		•	1P	20A		SPARE	8	
9	EXHAUST FAN/VULT LIGHT		20A	1P	•		1P	20A		SUMP PUMP	10	
11	VAULT RECEPTACLES		20A	1P		•	1P			SPACE	12	
13	BOOSTER PUMP	20A	3P	•			3P	15A		FILTER PUMP	14	
15					•						16	
17				•							18	
19	UV UNIT VIA BUCK BOOST TRANSFORMER	15A	2P		•		3P	20A		ELECTRIC UNIT HEATER	20	
21				•							22	
23				1P		•					24	

ROBBINS MEMORIAL TOWN HALL

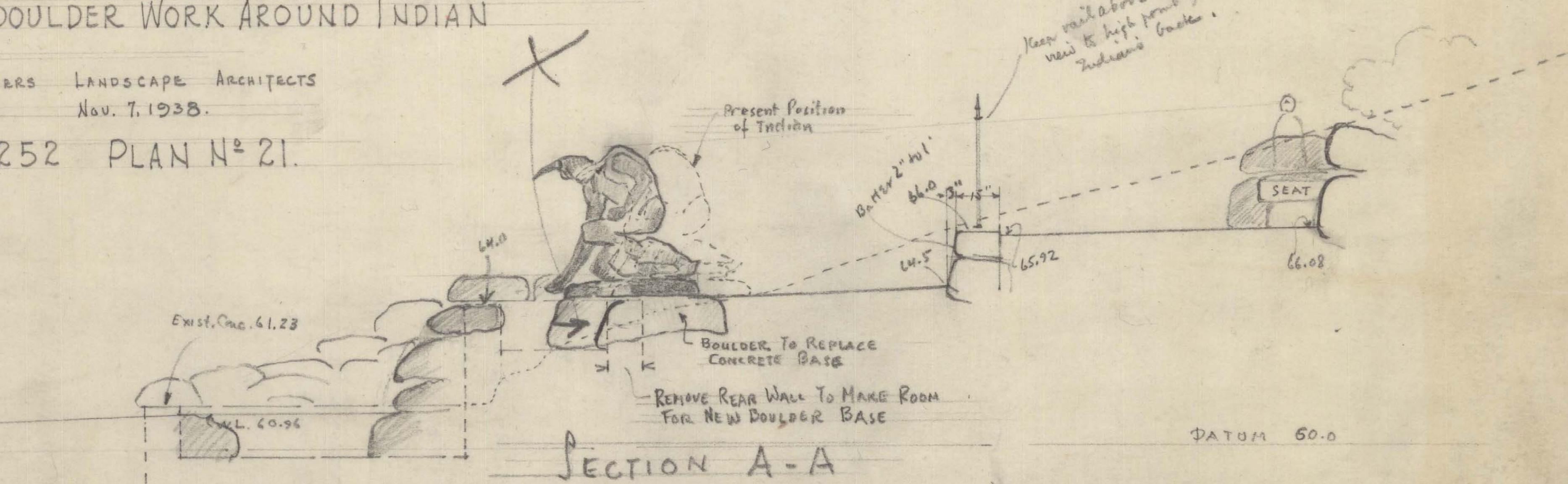
ARLINGTON-MASS

DETAIL OF BOULDER WORK AROUND INDIAN

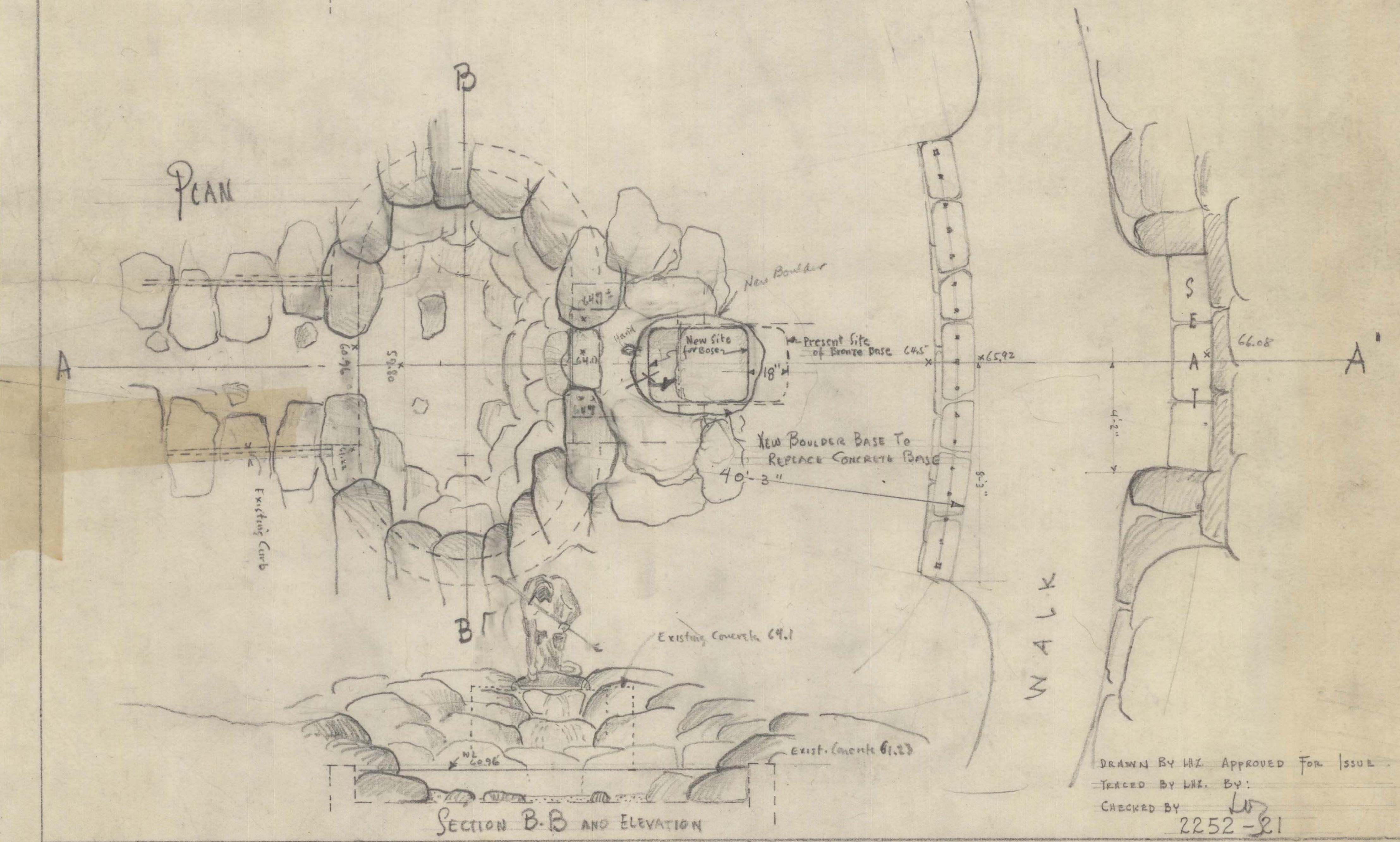
SCALE $\frac{1}{4}$ " = 1'

OLMSTED BROTHERS LANDSCAPE ARCHITECTS
BROOKLINE MASS NOV. 7, 1938.

FILE N° 2252 PLAN N° 21.



SECTION A-A




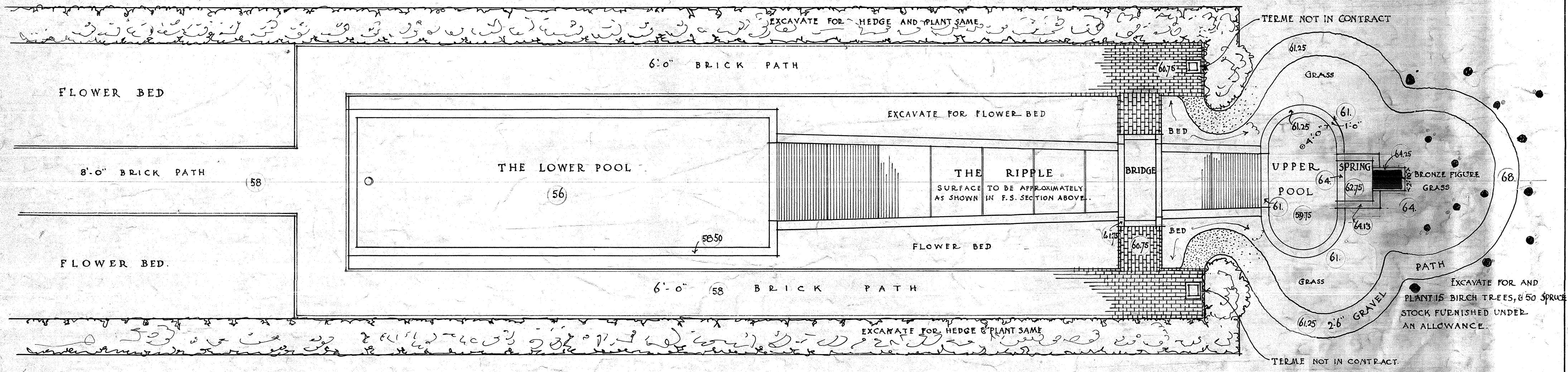
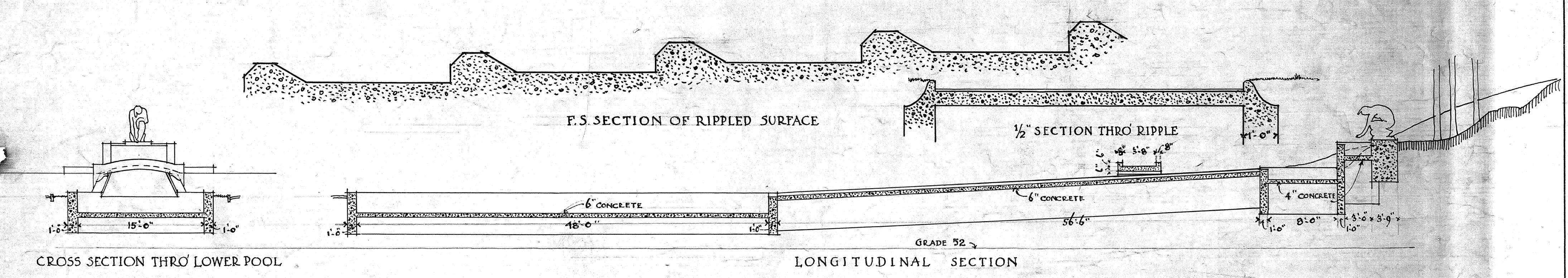
PLAN OF MEMORIAL TOWN GARDEN IN CONNECTION WITH THE ARLINGTON TOWN HALL.

SCALE OF PLAN, $\frac{1}{8}$ "=1'-0", DETAILS, $\frac{1}{2}$ "=1'-0". R. CLIPSTON STURGIS, ARCHITECT.

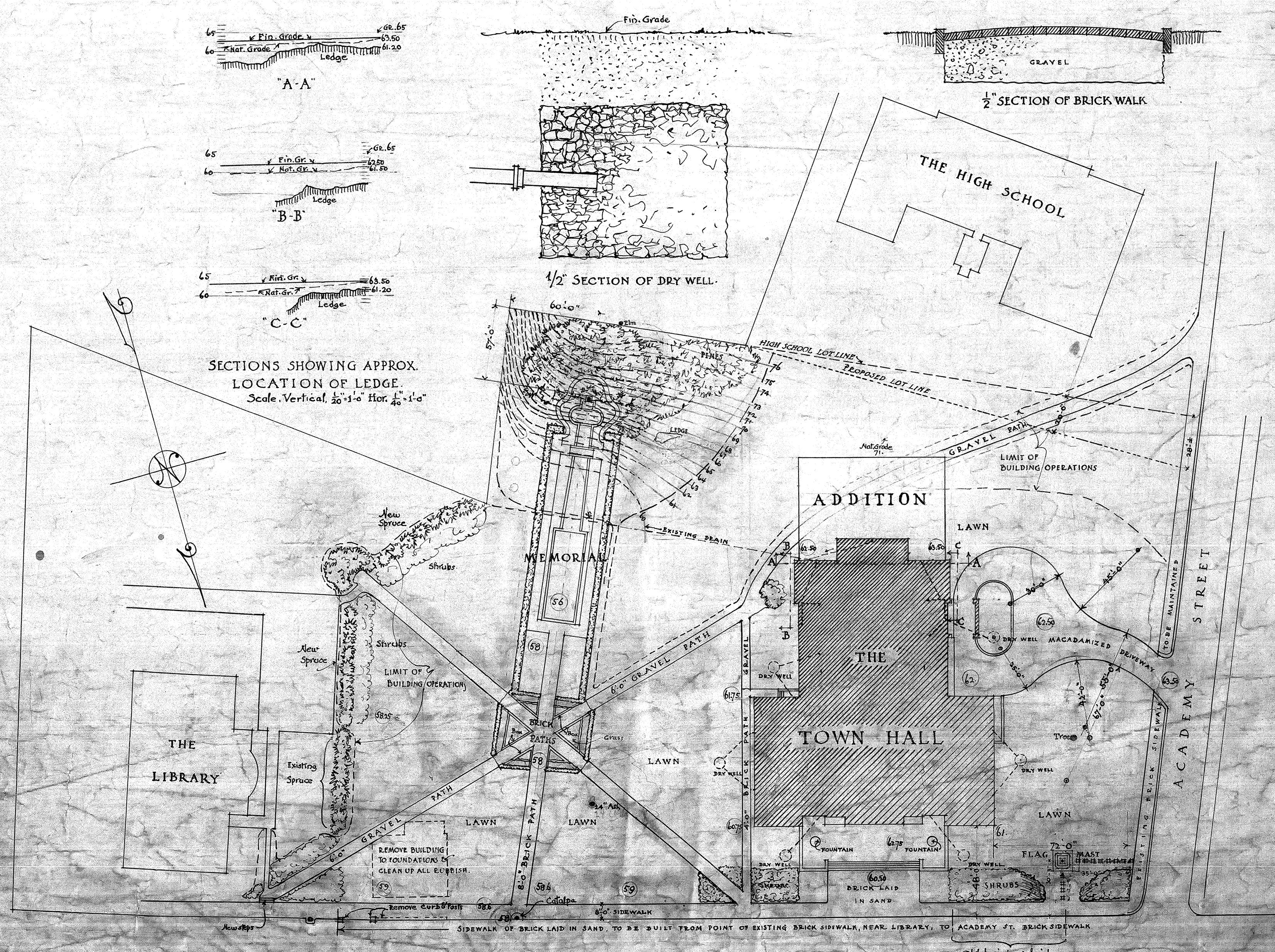
SCALE OF PLAN, $\frac{1}{8}$ -FO", DETAILS, $\frac{1}{2}$ -FO". R. CLIPSTON STURGIS, ARCHITECT.

REVISED TO APRIL 17, 1912





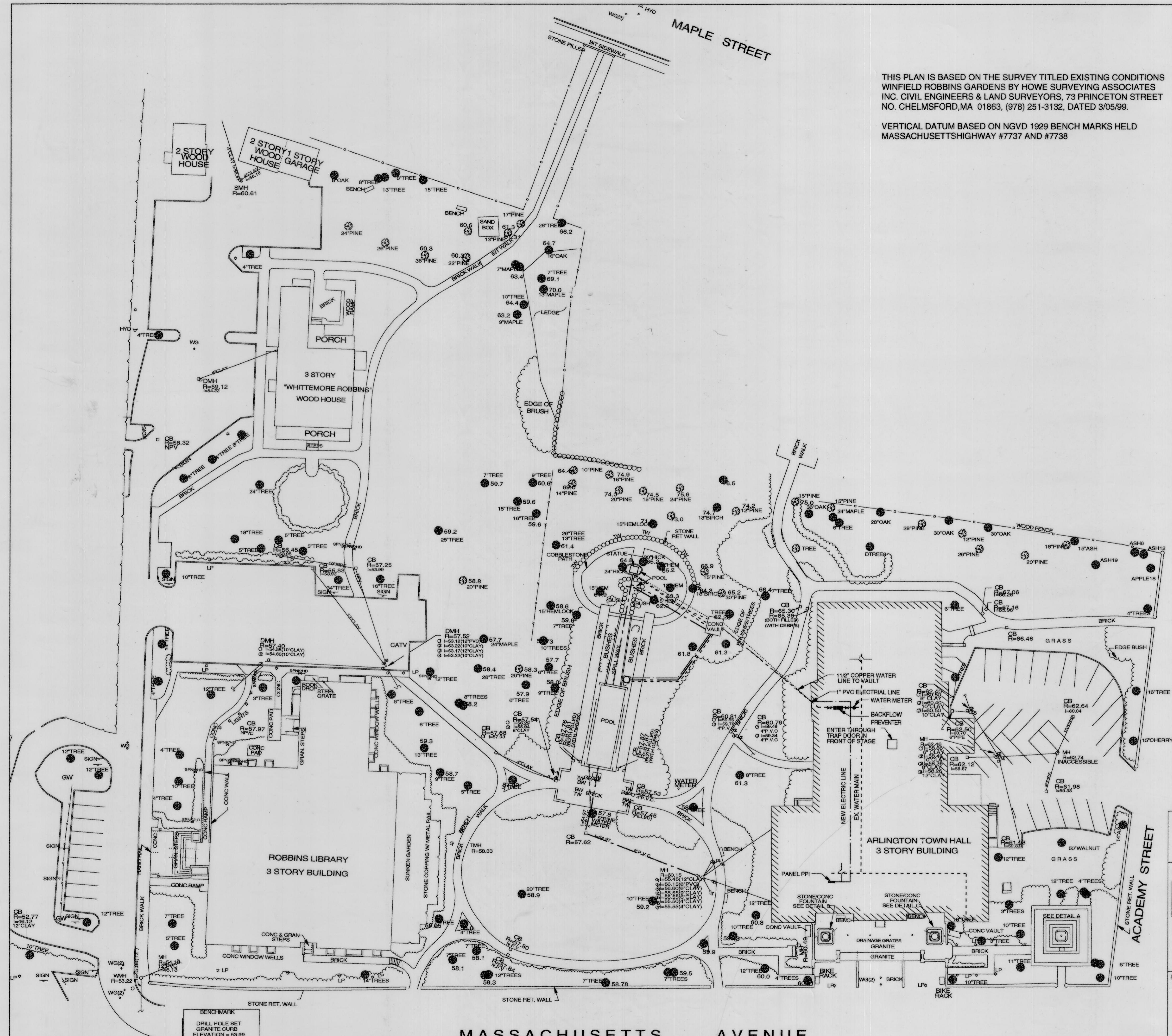
$\frac{1}{8}$ " SCALE PLAN OF MEMORIAL.
NOTE - ALL CURBS, BRIDGE, FOOTINGS, ETC. ARE CONCRETE.



THE
ARLINGTON TOWN HALL
R. CLIPSTON STURGIS, ARCHITECT, BOSTON, 1911

MASSACHUSETTS AVENUE

LOT PLAN
JOB 185. SCALE $\frac{1}{40}$ TO 1'



THIS PLAN IS BASED ON THE SURVEY TITLED EXISTING CONDITIONS
WINFIELD ROBBINS GARDENS BY HOWE SURVEYING ASSOCIATES
INC. CIVIL ENGINEERS & LAND SURVEYORS, 73 PRINCETON STREET
NO. CHELMSFORD, MA 01863, (978) 251-3132, DATED 3/05/99.

VERTICAL DATUM BASED ON NGVD 1929 BENCH MARKS HELD
MASSACHUSETTS HIGHWAY #7737 AND #7738

TOWN HALL GARDENS HISTORIC RESTORATION POOLS RECONSTRUCTION PH. 1A

LANDSCAPE ARCHITECT:

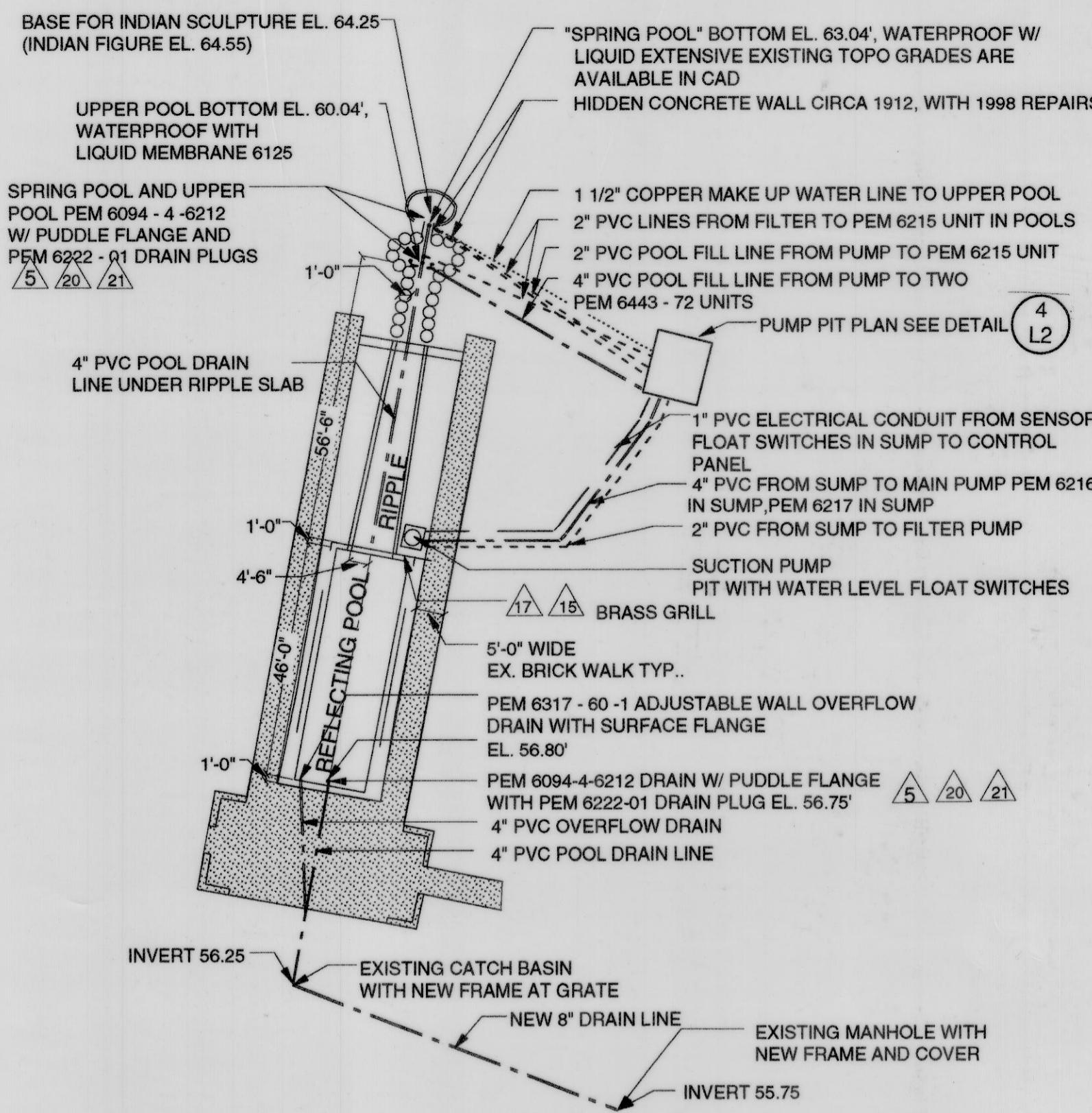
PL/IA PAT LOHEED•LANDSCAPE ARCHITECT
1310 BROADWAY, SUITE 103
SOMERVILLE, MA 02144
617-623-4366 • FAX 617-623-4362

REVISIONS: TITLE:
AS BUILT PLAN

DRAWN BY: JR.JJ
CHECKED BY: PL

DATE:
9/99

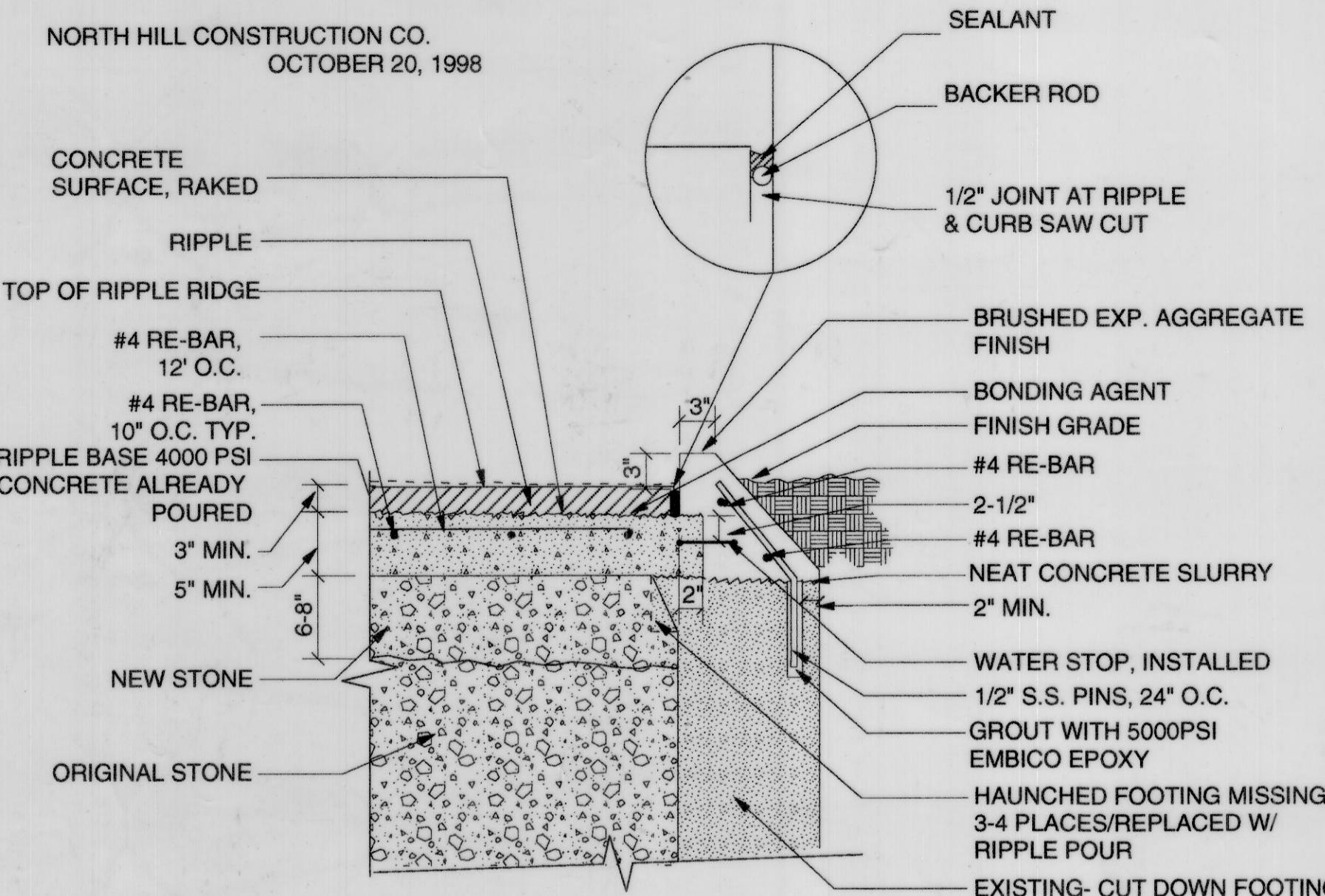
L-1



1 L2

POOL PLAN ENLARGEMENT

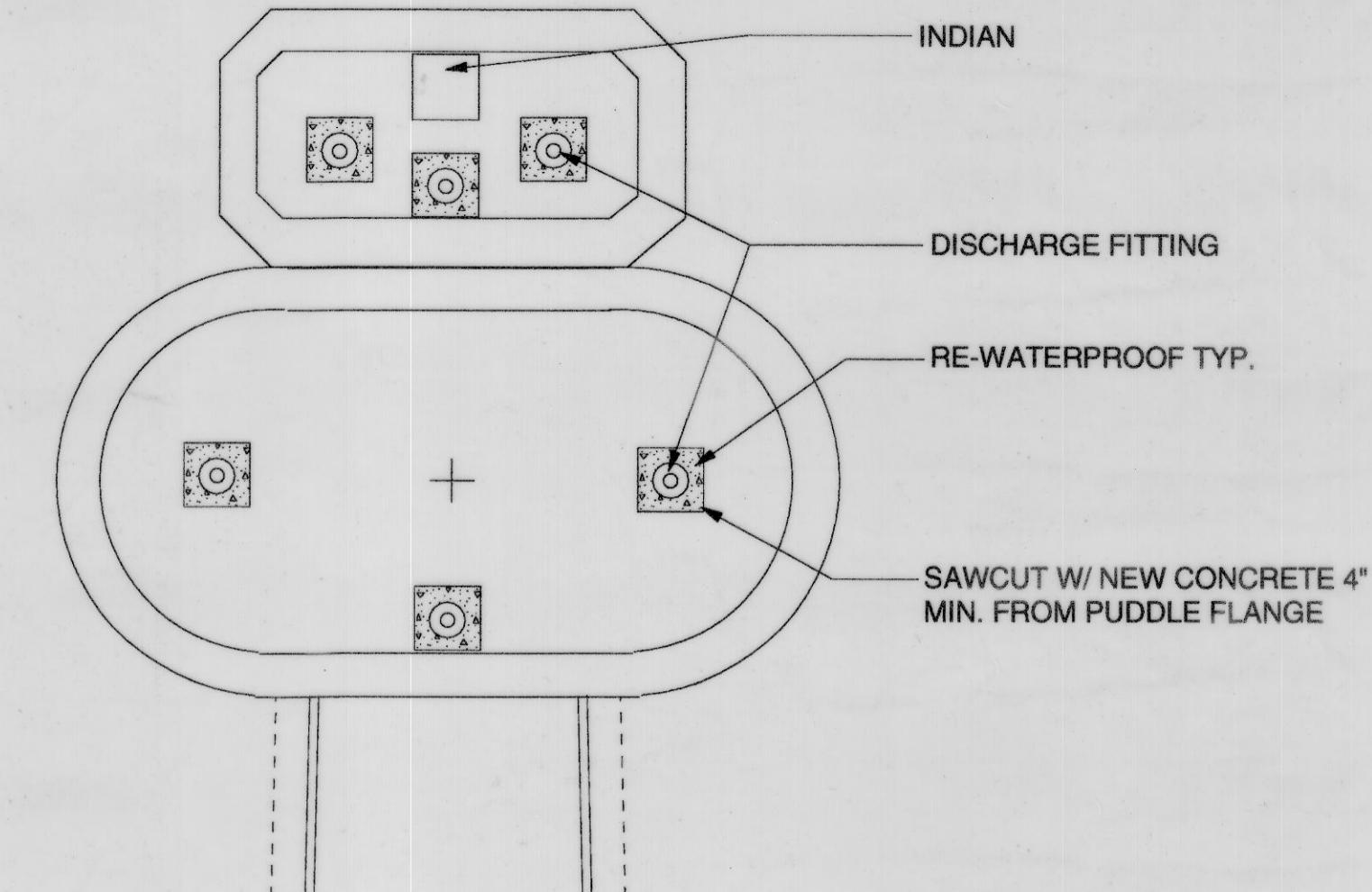
SCALE: N.T.S.



2 L2

RIPPLE & RIPPLE CURB SECTION

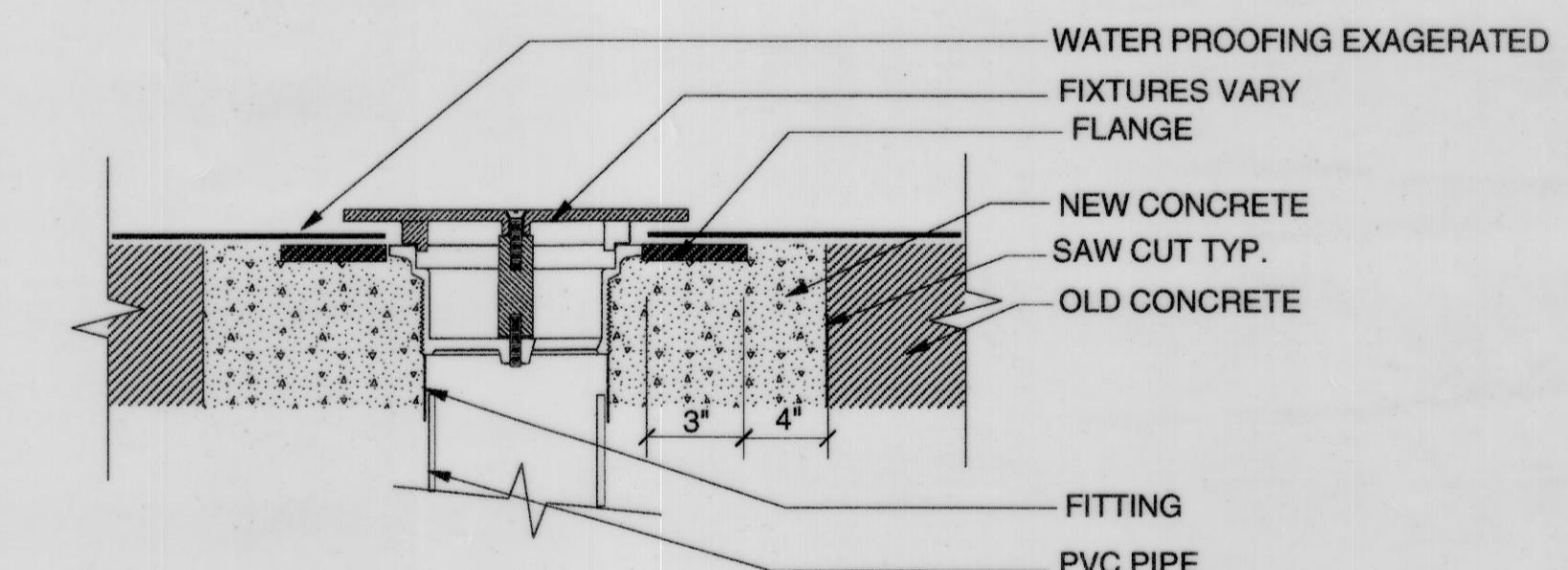
SCALE: N.T.S.



3 L2

POOL SKETCH

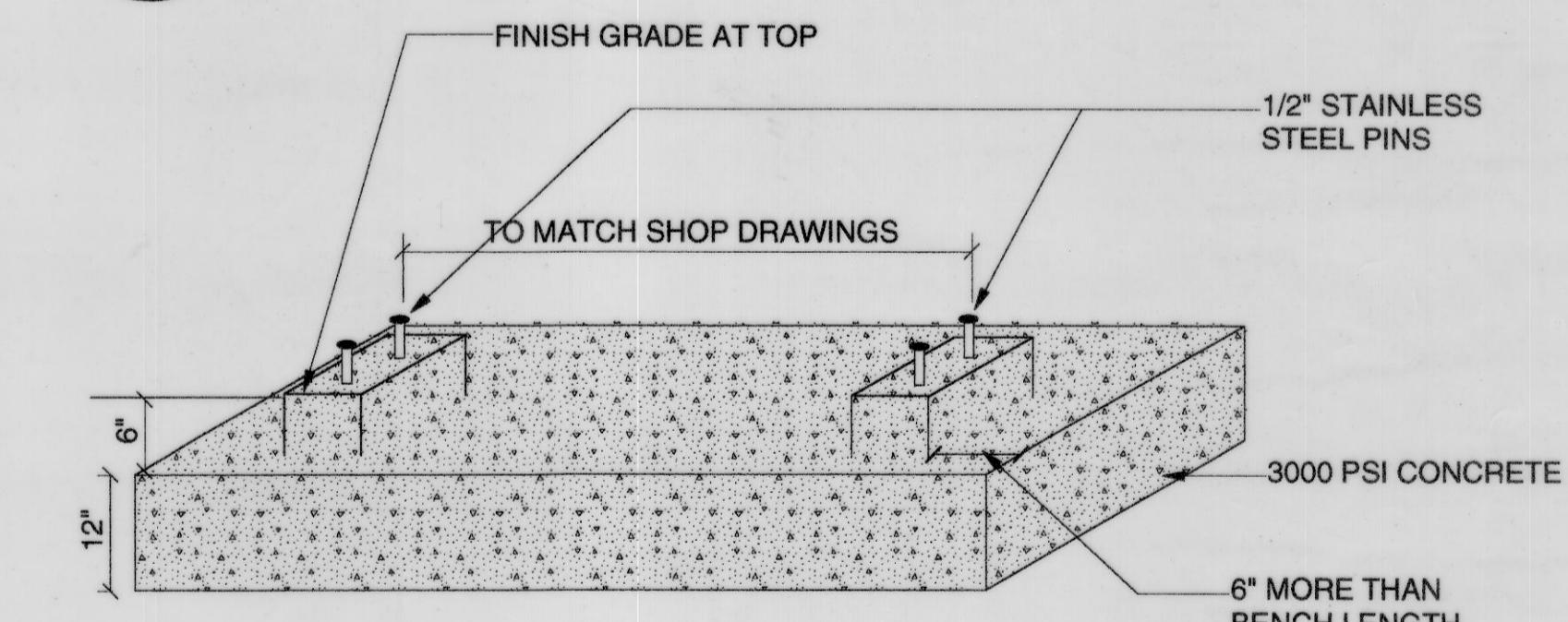
SCALE: N.T.S.



6 L2

TYP REPAIR SECTION

SCALE: N.T.S.



7 L2

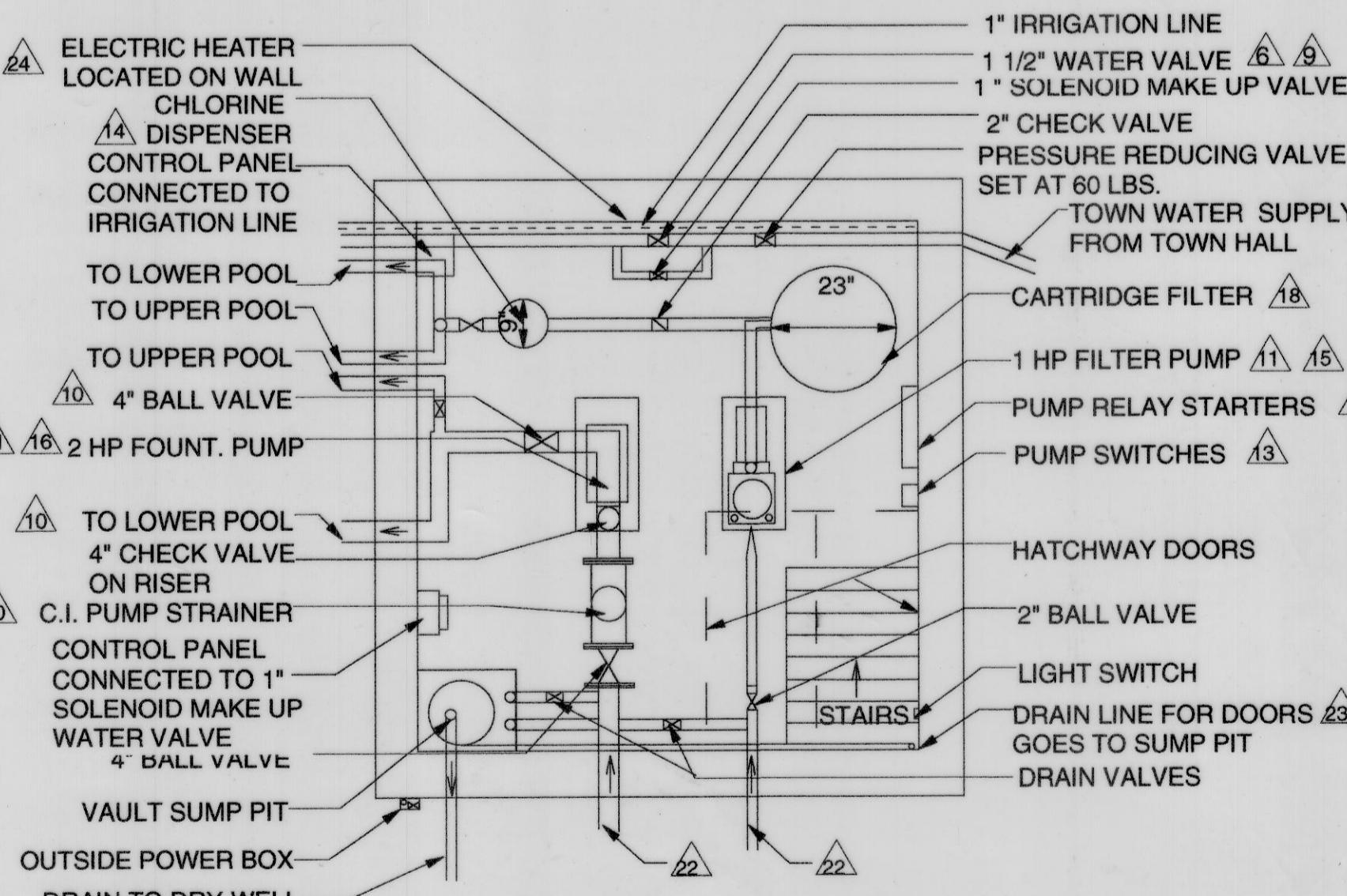
BENCH PADS

SCALE: N.T.S.

TOWN HALL GARDENS
HISTORIC RESTORATION
POOLS RECONSTRUCTION PH. 1A

LANDSCAPE ARCHITECT:

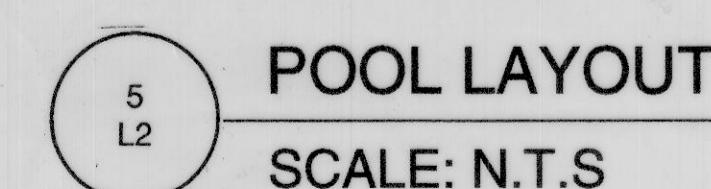
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4 L2

PUMP PIT PLAN

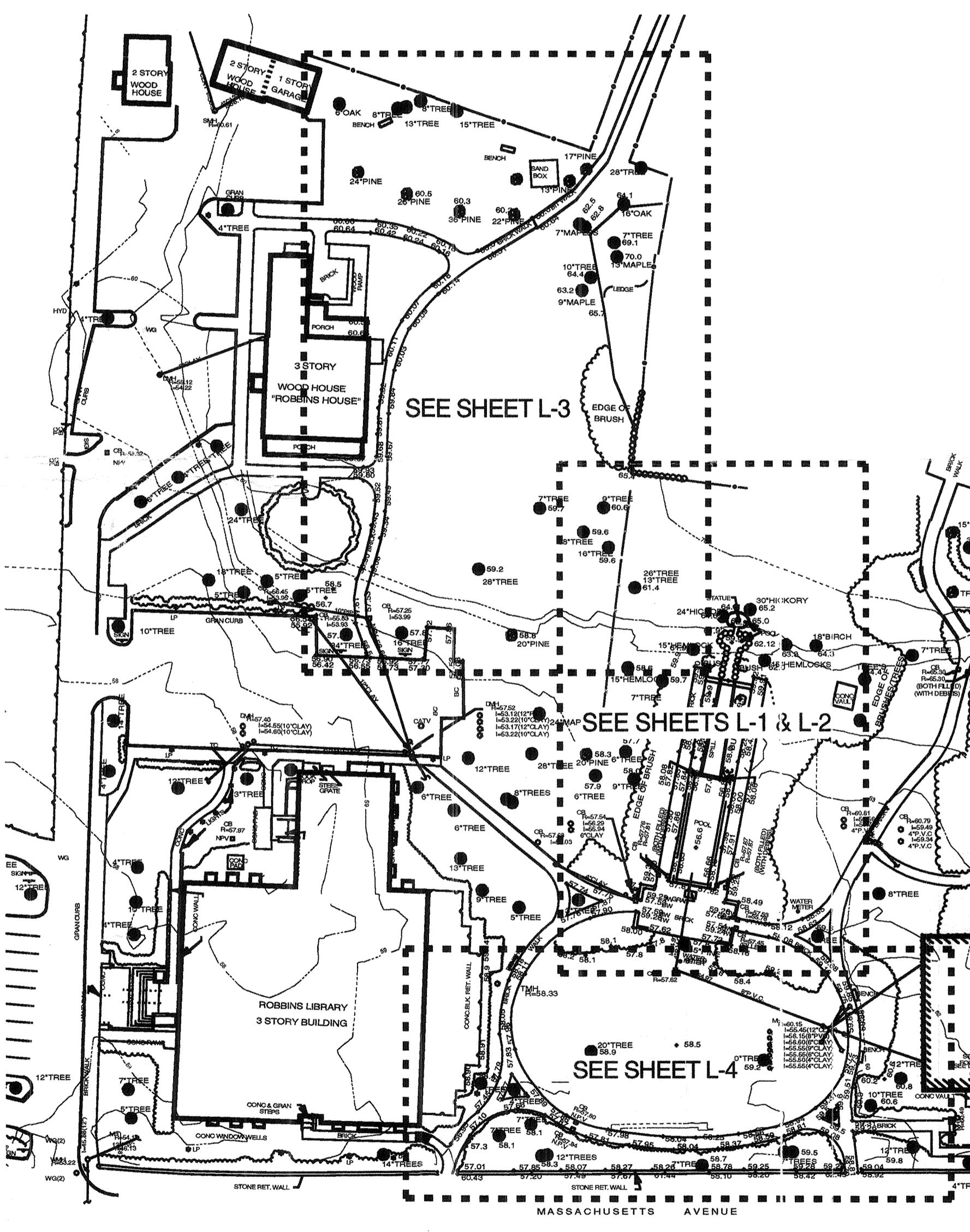
SCALE: N.T.S.



REVISIONS:	TITLE:
	AS BUILT DETAILS
DRAWN BY: JR. JJ CHECKED BY: PL	DATE: 9/99
	L-2

TOWN HALL GARDENS HISTORIC RESTORATION DEM CONTRACT

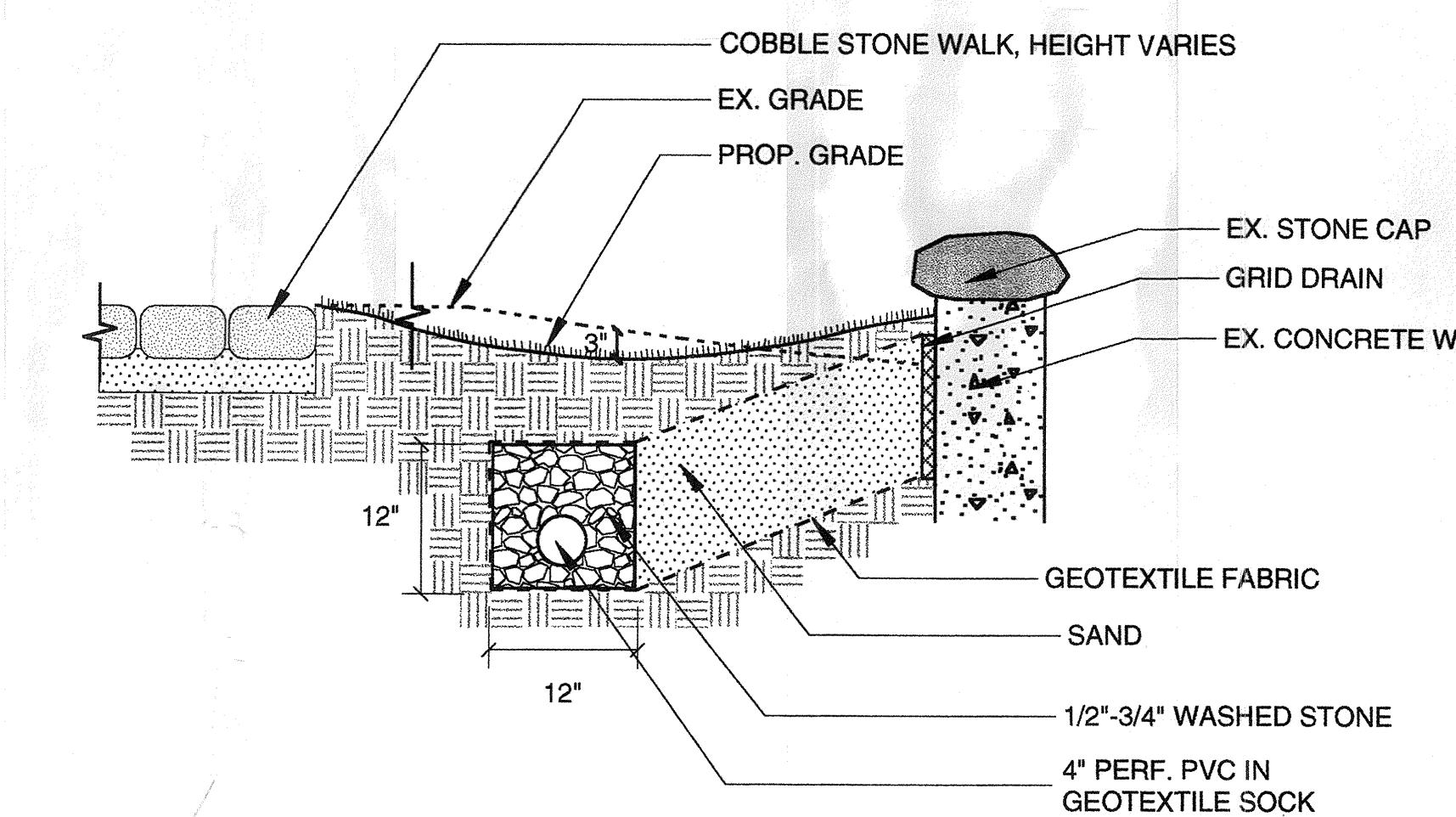
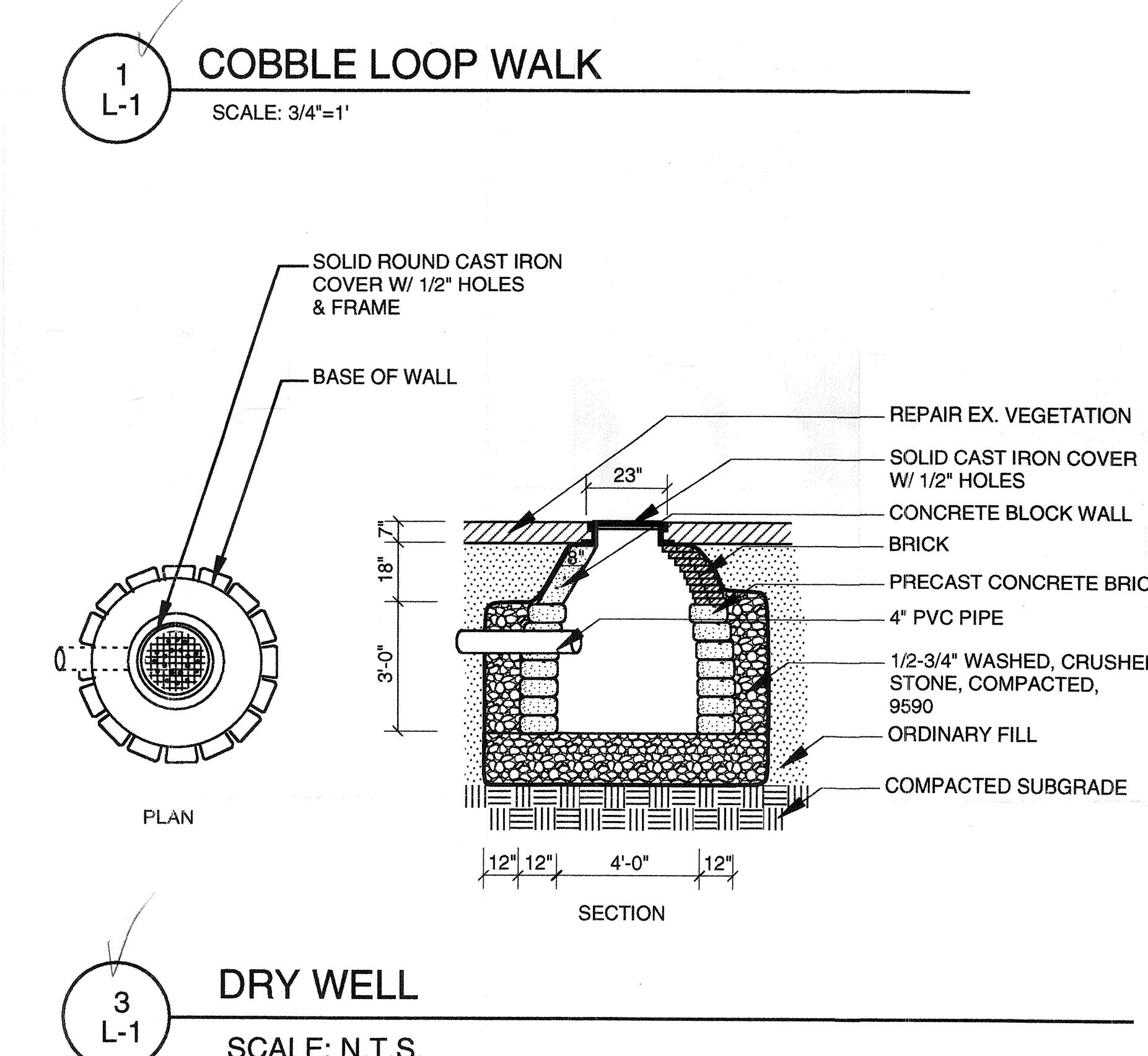
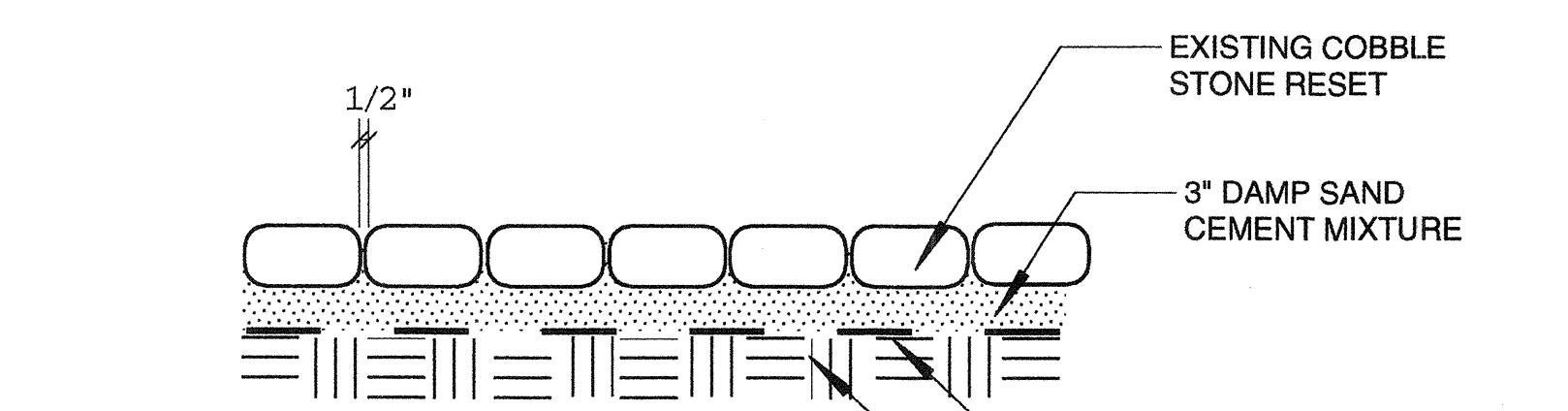
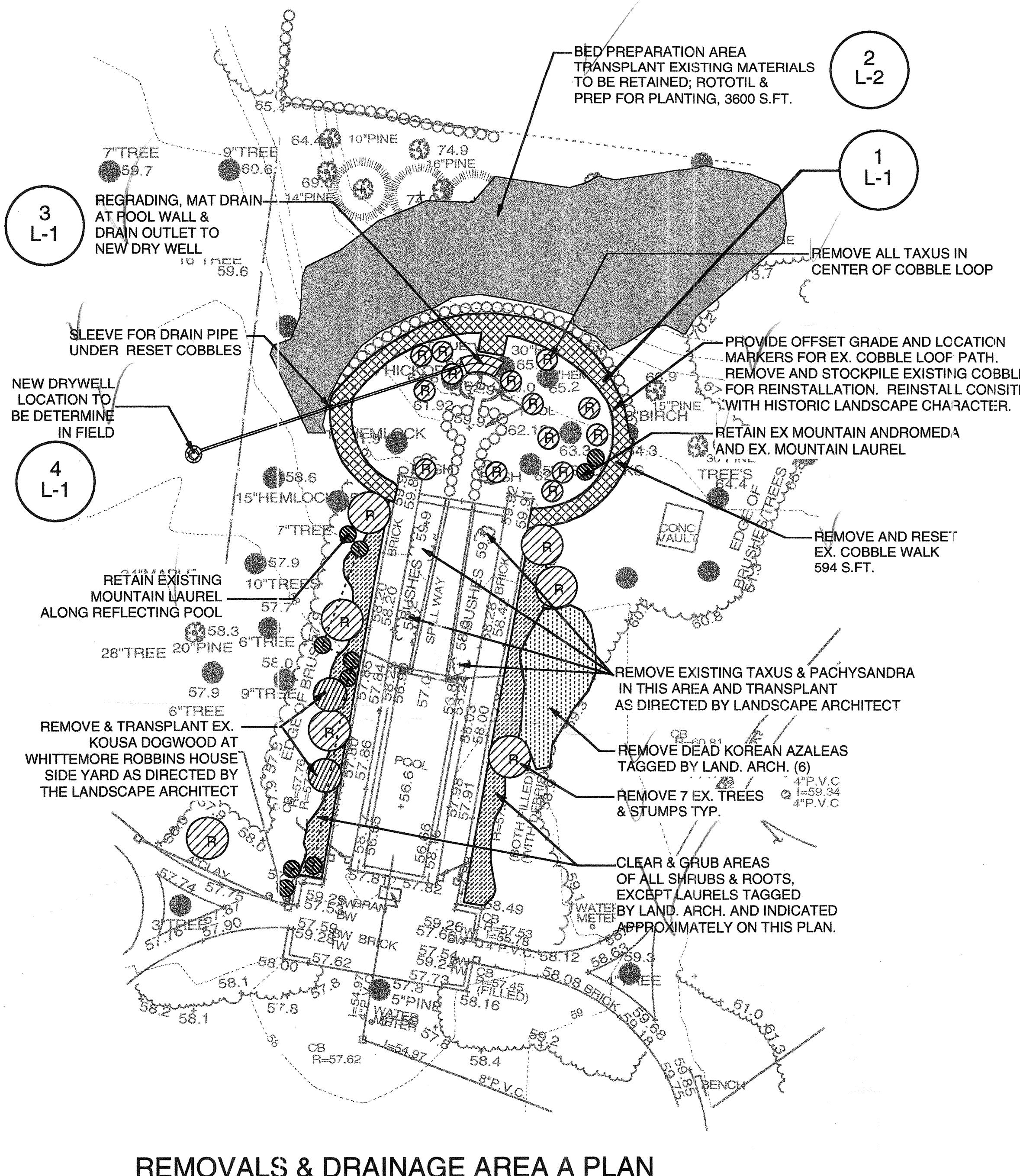
TOWN OF ARLINGTON MASSACHUSETTS



DRAWINGS:

- EX EXISTING CONDITIONS
- L-1 AREA A - DEMO PLAN
- L-2 AREA A - PLANTING PLAN
- L-3 AREA B - PLANTING PLAN
- L-4 AREA C - PLANTING PLAN
- L-5 AREA A - IRRIGATION PLAN

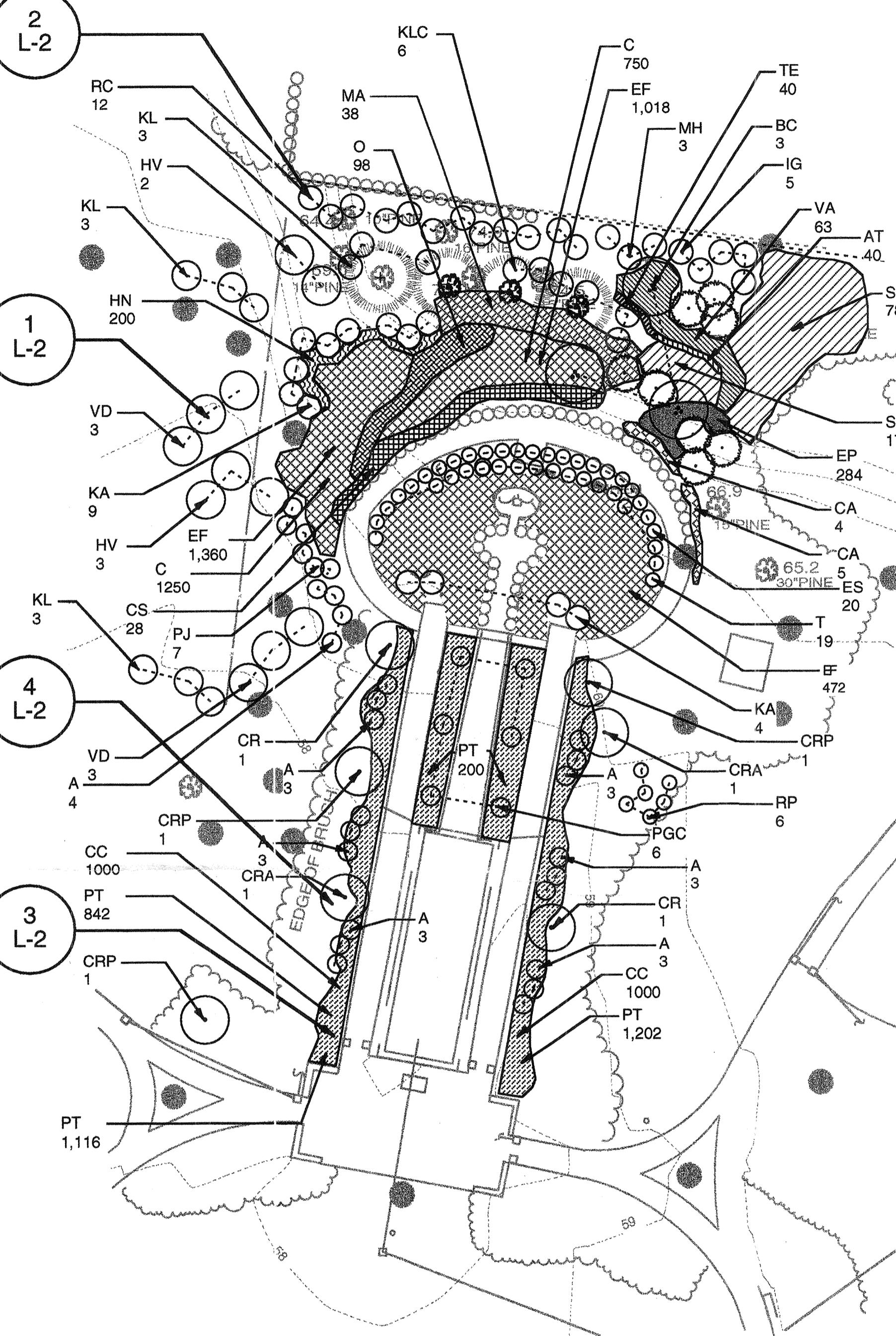
TOWN HALL GARDENS HISTORIC RESTORATION - DEM CONTRACT	
LANDSCAPE ARCHITECT: PLA PAT LOHEED•LANDSCAPE ARCHITECT 1310 BROADWAY, SUITE 103 SOMERVILLE, MA 02144 617-623-4366 • FAX 617-623-4362	
REVISIONS:	TITLE: EXISTING CONDITIONS
DRAWN BY: PL, JR CHECKED BY: PL	DATE: 3/18/99
EX	



**TOWN HALL GARDENS
HISTORIC RESTORATION - DEM CONTRACT**

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REVISIONS: DRAWN BY: PL JR
MASSACHUSETTS * JESSICA S. LOHEED
NO. 329 CHECKED BY: PL
LANDSCAPE ARCHITECT DATE: 3/18/99 **L-1**

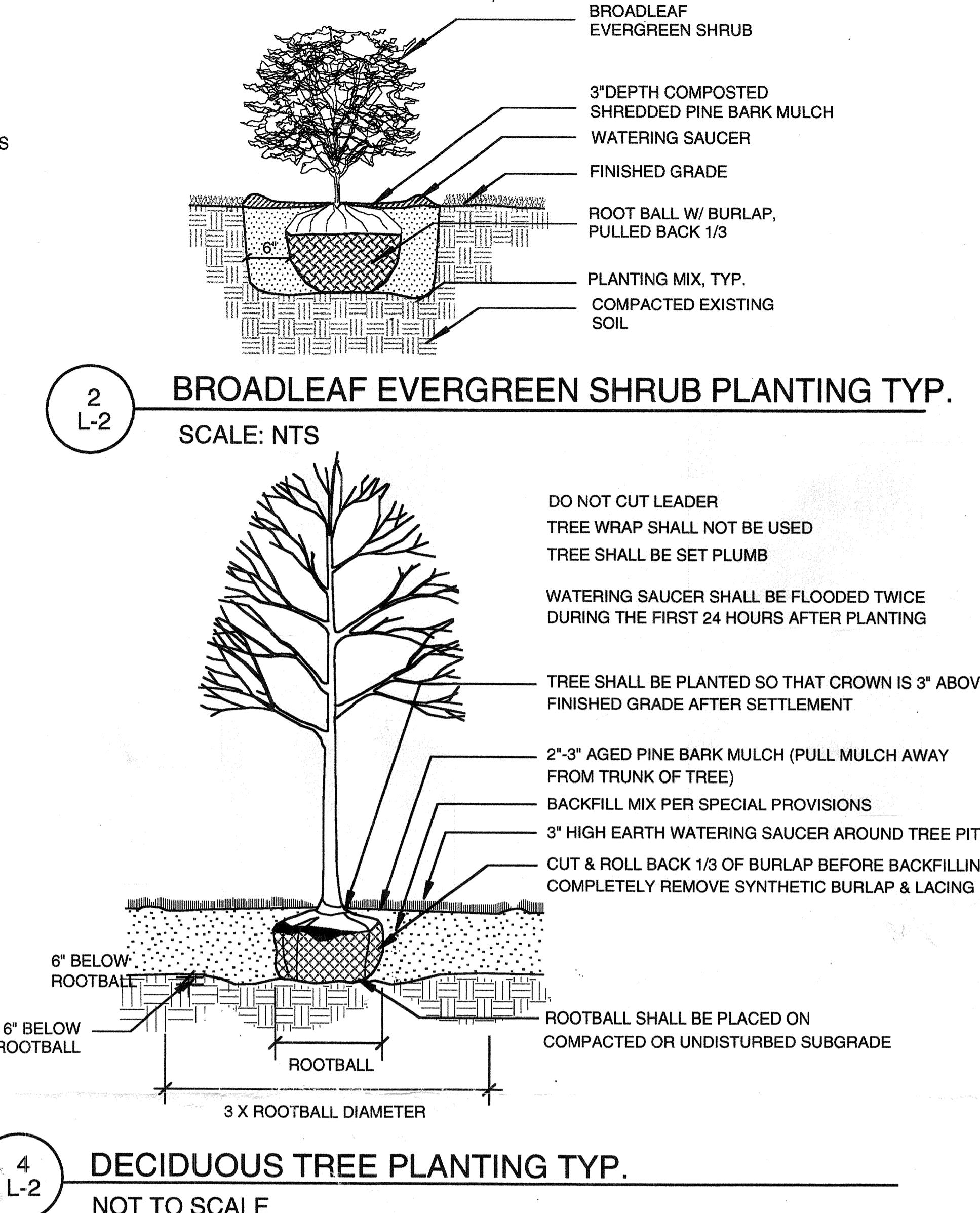
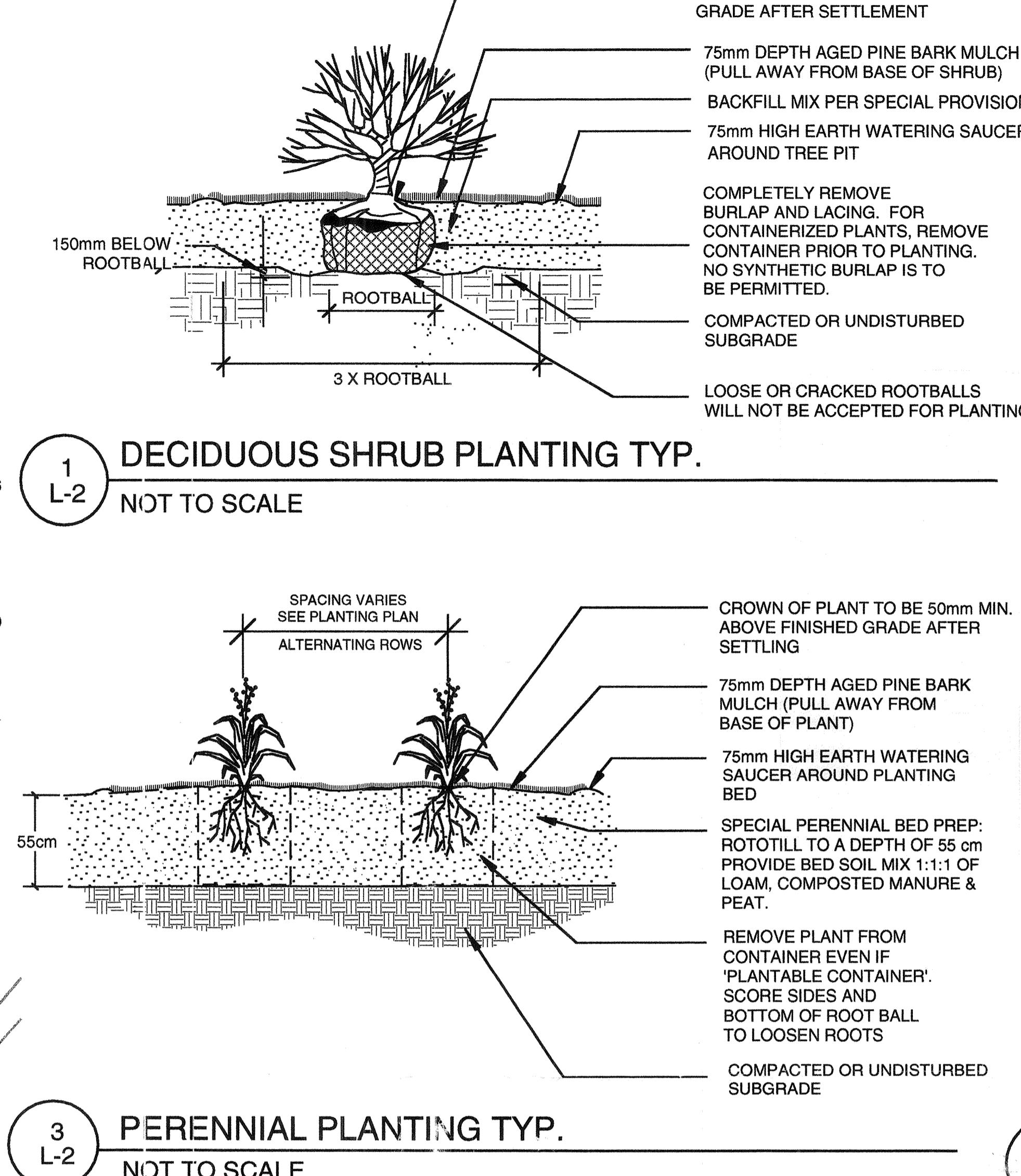


PLANTING AREA A PLAN

0 5' 20' 40' 80'

APPROXIMATE NORTH

KEY	BOTANICAL NAME	COMMON NAME	QUAN.	SIZE	ROOT	NOTES	SPACING
TREES							
BC	BETULA PAPYRIFERA	PAPER BIRCH - MULTI-STEMMED	3	8'-10' HT.	B&B	SPECIMEN CLUMP	
CR	CORNUS RUTGERS 'RUTH ELLEN'	RUTH ELLEN RUTGERS DOGWOOD	2	8'HT.	B&B	TAGGED/ONHOLD	
CRP	CORNUS RUTGERS 'STELLAR PINK' HYBRID	STELLAR PINK RUTGERS DOGWOOD	3	7'HT.	B&B	"	
CRA	CORNUS RUTGERS 'AUROORA'	AURORA RUTGERS DOGWOOD	2	8'HT.	B&B	"	
SHRUBS & GROUNDCOVERS							
A	AZALEA KAEMPFERI 'DELAWARE VALLEY WHITE'	DELAWARE VALLEY WHITE AZALEA	22	24-30"	B&B		
CA	COTONEASTER APICULATA	CRANBERRY COTONEASTER	9	24-30"	CONT.	3' O.C.	
CS	COTONEASTER SALICIFOLIUS REPANDENS	WILLOWLEAF COTONEASTER	28	24-30"	CONT.	3' O.C.	
EP	EPIPMEDIUM	EPIMEDIUM	284	1 GAL	CONT.	12' O.C.	
ES	EUONYMUS FORTUNEI 'SARCOXIE'	SARCOXIE EUONYMUS	20	18-24" SP.	B&B		
EF	EUONYMUS FORTUNEI 'COLORATUS'	PURPLE WINTERCREEPER	2,850	8-12"	2.25" POT	8"	
HV	HAMAMELIS VIRGINIA	COMMON WITCHHAZEL	5	4-5'HT.	B&B		
IG	ILEX GLABRA 'COMPACTA'	COMPACT INKBERRY	5	24-30"	CONT.		
MH	ILEX X MESERVEAE 'BLUE PRINCESS'	BLUE PRINCESS HOLLY	3	2.5-3'HT.	B&B	HEAVY	
KA	KALMIA ANGUSTIFOLIA	SHEEP LAUREL	13	18-24"SP	CONT.		
KL	KALMIA LATAFOLIA	MOUNTAIN LAUREL	9	3-4"	B&B		
KLC	KALMIA LATAFOLIA COMPACTA 'ELF'	COMPACT MOUNTAIN LAUREL 'ELF'	5	24-30"	B&B		
MA	MAHONIA AQUIFOLIUM	OREGON GRAPEHOLLY	38	18-24" SP.	CONT.	18" O.C.	
PT	PACHYSANDRA TERMINALIS	JAPANESE SPURGE	3360	2 yr.	2.25" POTS	8" O.C.	
PJ	PIERIS JAPONICA	JAPANESE ANDROMEDA	7	24-30"	B&B		
O	OSMUNDA CINNAMOMEA	CINNAMON FERN	98	1 GAL	CONT.	18" O.C.	
SS	POLYCONATUM BIFLORA	SMALL SOLOMON SEAL	956	1 GAL	CONT.	18"	
RC	RHODODENDRON CAROLINIANUM 'ALBA'	WHITE CAROLINA RHODODENDRON	12	3-4'HT.	B&B		
RP	RHODODENDRON POUKHANENSE	KOREAN AZALEA	6	24-36" SP.	B&B		
T	TAXUS CUSPIDATA 'GREENWAVE'	GREENWAVE YEW	19	24-30"	B&B		
VA	VACCINIUM ANGUSTIFOLIUM	LOW BUSH BLUEBERRY	63	18-24"SP	CONT.	2' O.C.	
VD	VIBURNUM DENTATUM	ARROWWOOD VIBURNUM	6	3-4"	B&B		
PERENNIALS & BULBS							
AT	ARISAEMA TRIphyLLUM	JACK-IN-THE-PULPIT	40		BULB	8" O.C.	
C	CROCUS SPP. MIXTURE:	SPECIES CROCUS	400		INTERPLANT	8" O.C.	
CROCUS 'GRAND MAITRE'	LIGHT BLUE CROCUS	1000		BULB	INTERPLANT	8" O.C.	
CROCUS PURUREA GRANDIFLORA	DEEP PURPLE CROCUS	1000		BULB	INTERPLANT	8" O.C.	
CC	CAMPANULA MIXTURE:						
CAMPANULA CARPatica 'LIGHT BLUE CLIPS'	BELLFLOWER	1000	5 PT.	CONT	INTERPLANT	8" O.C.	
CAMPANULA CARPatica 'DEEP BLUE CLIPS'	BELLFLOWER	1000	5 PT.	CONT	INTERPLANT	8" O.C.	
HN	HEPATICa NOBIS	HEPATICa	200	1 PINT	CONT	8" O.C.	
TE	TRILLIUM ERECTUM	WAKE ROBIN	40		BULB	8" O.C.	

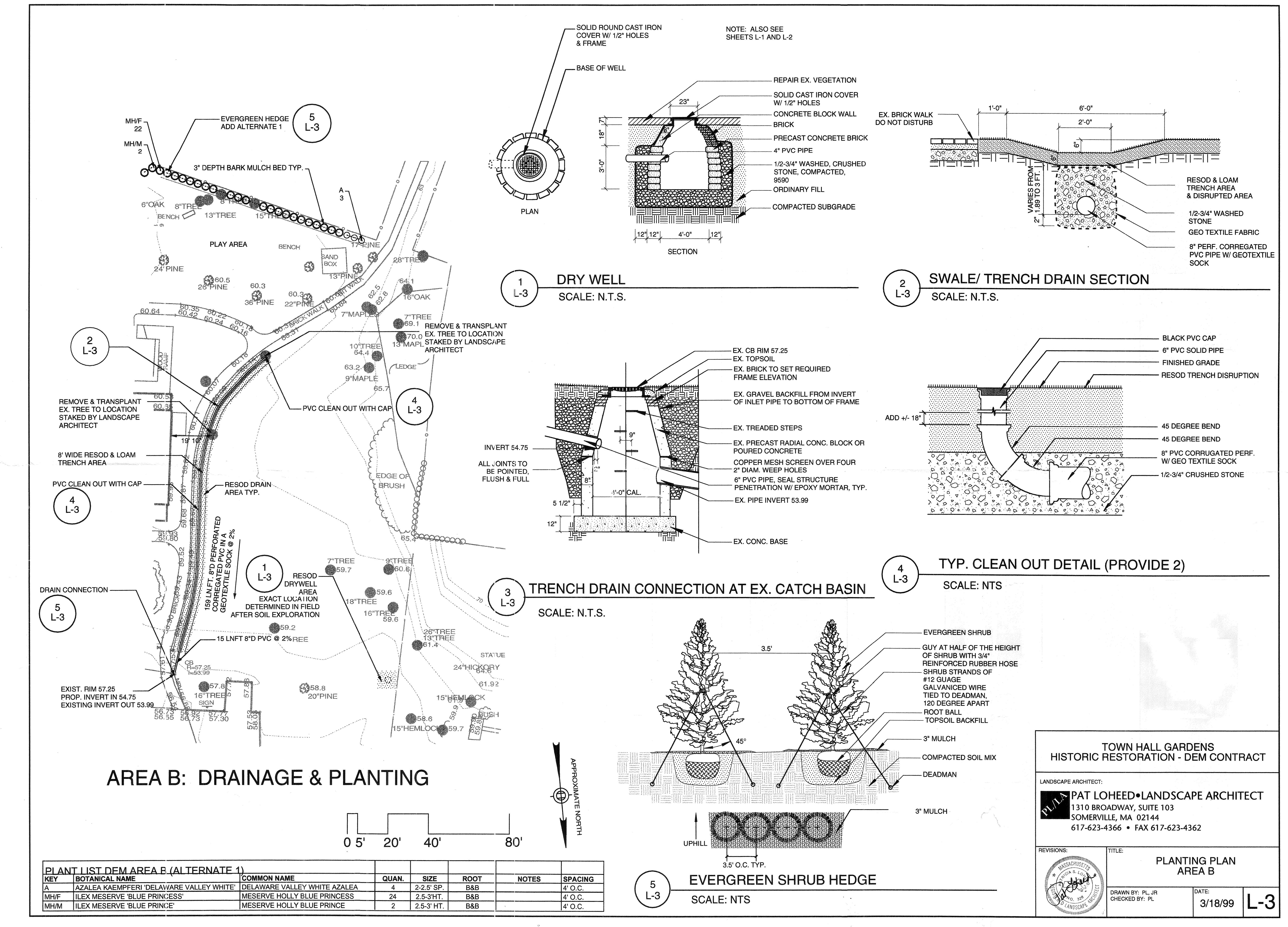


NOTES:
SHRUBS SHALL BE SET PLUMB
WATER BY FLOODING TWICE IN FIRST TWO HOURS
EXCAVATE TO REQUIRED DEPTH AND BACKFILL WITH PLANTING MIX
RAISE AND REPLANT ANY SHRUBS WHICH SETTLE MORE THAN 75mm AFTER PLANTING AND WATERING IN
WATER BY FLOODING TWICE IN FIRST TWO HOURS AFTER PLANTING. WATER AND MAINTAIN AS PER STANDARD SPECIFICATIONS

TOWN HALL GARDENS
HISTORIC RESTORATION - DEM CONTRACT

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PLA PAT LOHEED•LANDSCAPE ARCHITECT
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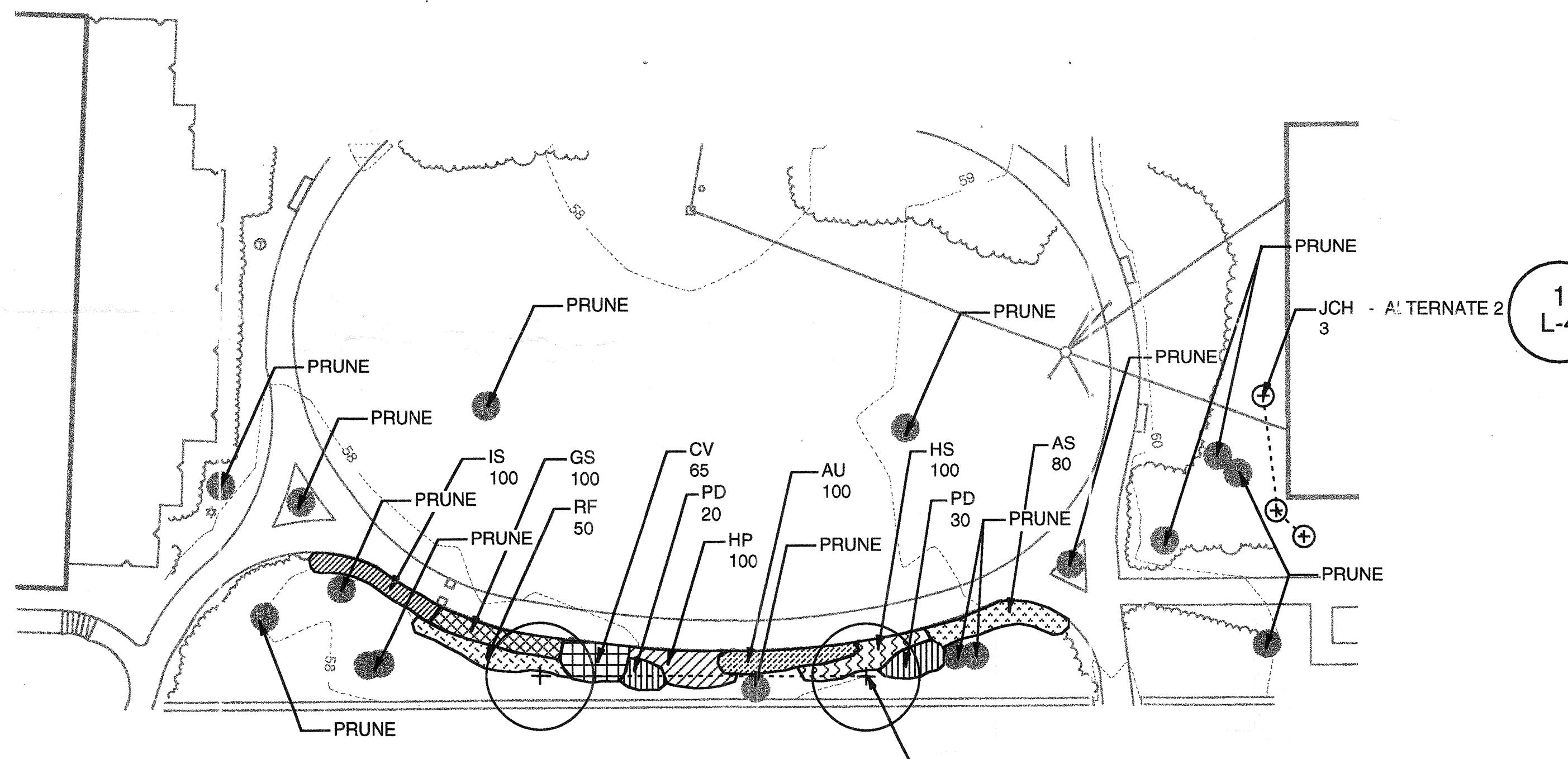
REVISIONS: TITLE: PLANTING PLAN AREA A
DRAWN BY: PL, JR CHECKED BY: PL DATE: 3/18/99 L-2



ALTERNATE 2: TREE PRUNING AREA C
 TREE PRUNING SHALL BE FOR FORM AND SAFETY PURPOSES AND DONE UNDER THE SUPERVISION OF
 A MASS. CERTIFIED ARBORIST UNDER THE DIRECTION OF THE LANDSCAPE ARCHITECT.

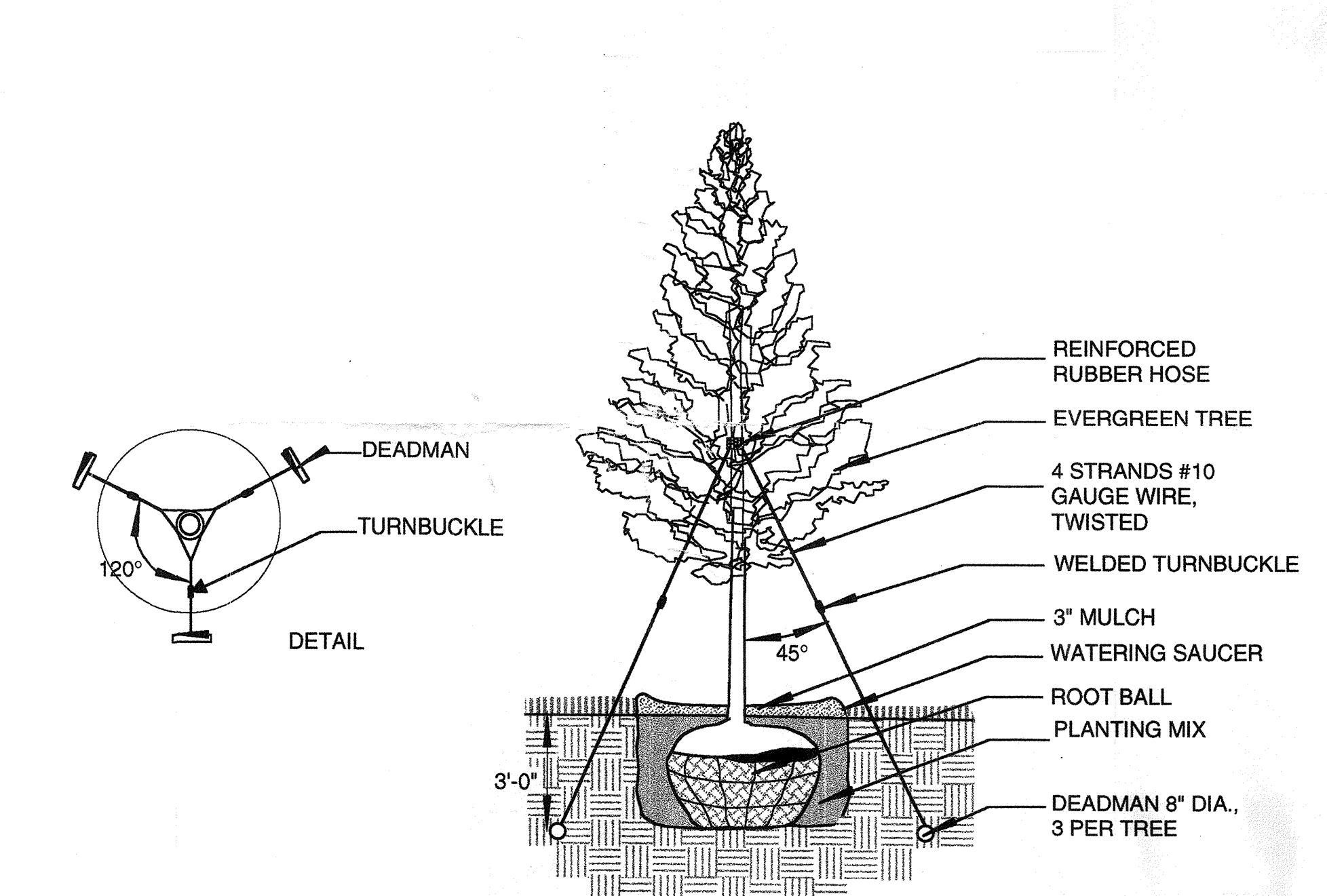
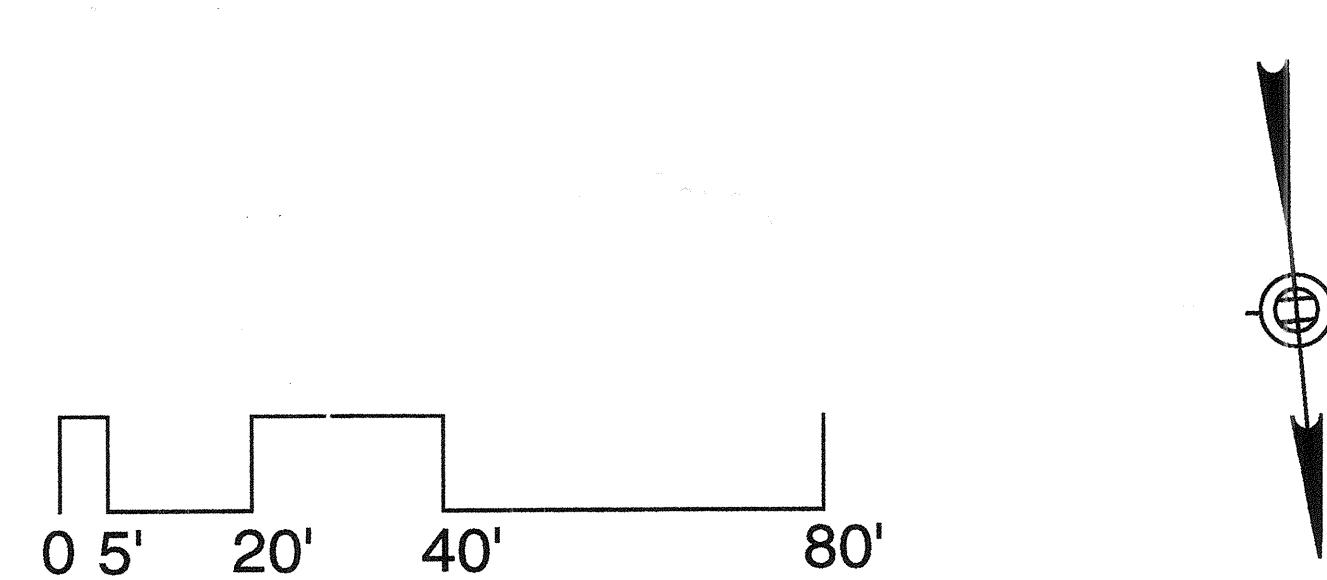
	PLANT LIST DEM AREA C (ALTERNATE 3)						
KEY	BOTANICAL NAME	COMMON NAME	QUAN.	SIZE	ROOT	NOTES	SPACING
JCH	JUNIPERUS CHIN. HETZI	GREEN COLUMNAR CHINESE JUNIPER	3	6'-7' HT.	B&B	SPECIMEN	
PSH	PRUNUS SUBHIRTILLA 'AUTUMNALIS'	AUTUMN FLOWERING CHERRY	2	3-3.5" CAL.	B&B	SPECIMEN	

	PLANT LIST DEM AREA C (ALTERNATE 4)						
KEY	BOTANICAL NAME	COMMON NAME	QUAN.	SIZE	ROOT	NOTES	SPACING
	PERENNIALS						
AS	ANEMONE SYLVESTRIS	SNOWDROP ANEMONE	80	3" POT	CONT		12" O.C.
AU	AURINIA SAXATILIS 'COMPACTUM'	BASKET OF GOLD	100	3" POT	CONT		12" O.C.
CV	COREOPSIS VERTICILLATA 'MOONBEAM'	TICKSEED	65	1 QT.	CONT		15" O.C.
GS	GERANIUM SANGUINUM 'ALBUM'	WHITE CRANESBILL	100	#1 POT	CONT		12" O.C.
HS	HEUCHERA SANGUINIA 'LEUCHTKAERF'	CORAL BELLS	100	#1 POT	CONT		12" O.C.
HP	HYPERICUM POLYPHYLLUM	ST. JOHN'S WORT	100	3" POT	CONT		12" O.C.
IS	IBERIUS SEMPERVIRENS 'OCTOBER GLORY'	CANDY TUFT	100	.5 PT	CONT		12" O.C.
PD	PENSTEMON DIGITALIS 'HUSKER RED'	BEARD TONGUE	50	#1 POT	CONT		18" O.C.
RF	RUDBEKIA FULGIDA	BLACK-EYED SUSAN	50	1 QT.	CONT.		18" O.C.



PLANTING PLAN AREA C

1. NEW TREE PLANTING IN PLANTING AREA C IS ADD ALTERNATE 2.
 2. PRUNING OF EXISTING TREES IN PLANTING AREA C IS ADD ALTERNATE 3.

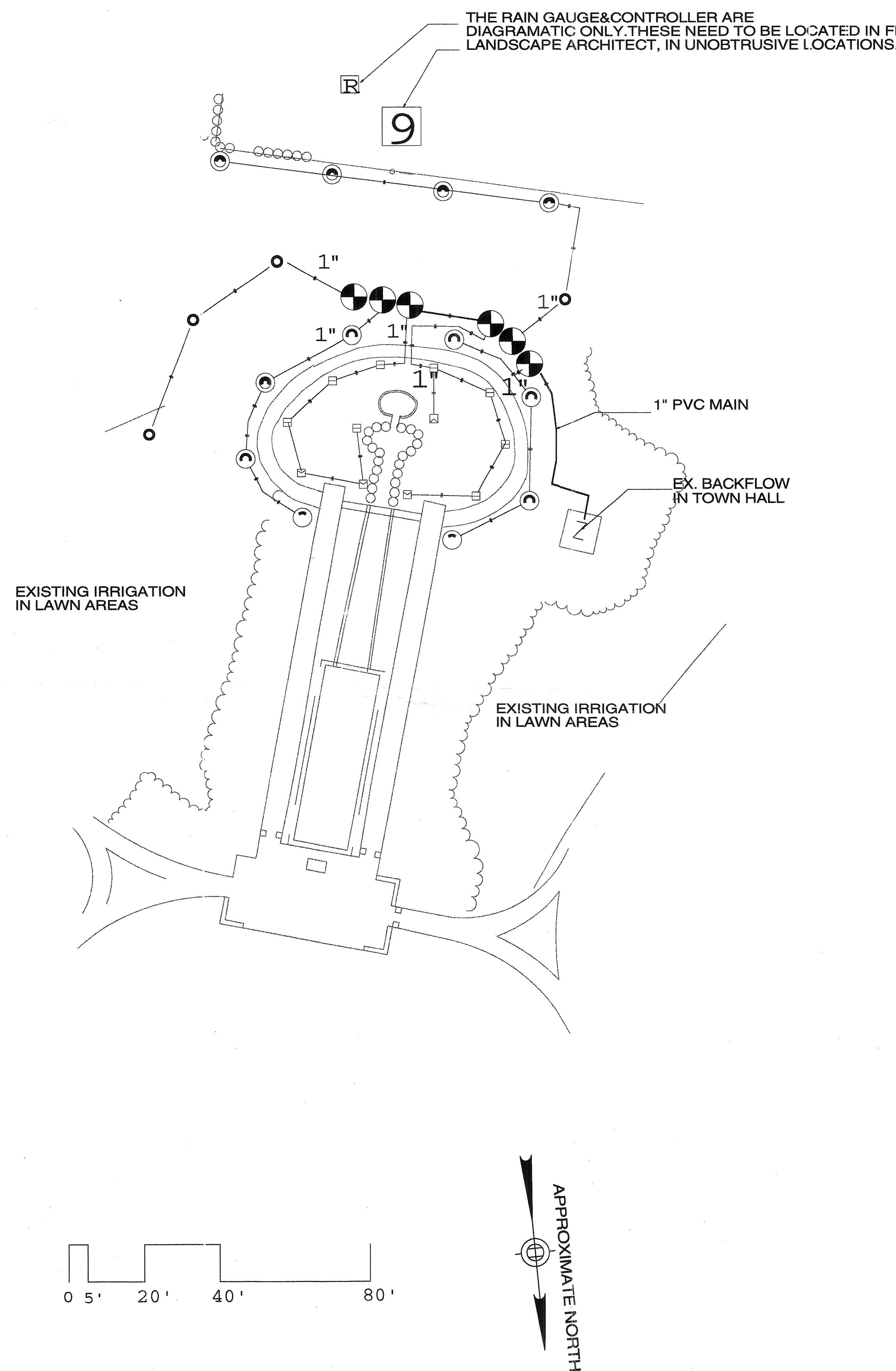


1 L-4 EVERGREEN TREE PLANTING

SCALE: NTS

TOWN HALL GARDENS HISTORIC RESTORATION - DEM CONTRACT	
LANDSCAPE ARCHITECT:	
PL/LA	PAT LOHEED•LANDSCAPE ARCHITECT 1310 BROADWAY, SUITE 103 SOMERVILLE, MA 02144 617-623-4366 • FAX 617-623-4362
REVISIONS	TITLE: PLANTING PLAN AREA C
MASSACHUSETTS LICENSE NO. 328 PATRICK S. LOHEED LANDSCAPE ARCHITECT	DRAWN BY: PL. RJ. JR CHECKED BY: PL DATE: 3/18/99

L-4



QTY	DESCRIPTION
100'	PVC MAIN - CLASS 200 1" SW PVC PIPE
700'	POLY LATERALS - 100 PSI 1" POLY PIPE
1	BACKFLOW ASSEMBLY - FEBCO 825Y 1" RPD ON 1" COPPER
6	TORO 294-15-04 1" PLASTIC VALVE ASSEMBLY
1	TORO RAIN GAUGE MODEL 850-74
1	TORO VISION II PLUS CONTROLLER MODEL V2-M09 W/ RAIN GAUGE IN ENCLOSURE
2	TORO 300 1/4 ARC STREAM ROTOR W/ 03 NOZZLE
4	TORO 300 1/2 ARC STREAM ROTOR W/ 03 NOZZLE
6	TORO 300 1/5 ARC STREAM ROTOR W/ 03 NOZZLE
4	TORO 300 FC STREAM ROTOR W/ 03 NOZZLE
8	TORO 570 6" SPRAY HEAD W/ 15-H NOZZLE
3	TORO 570 6" SPRAY HEAD W/ 15-T NOZZLE
1	TORO 570 6" SPRAY HEAD W/ 15-TQ NOZZLE

- 1) SYSTEM IS DESIGNED FOR 16 GPM AT 65 PSI REQUIRED AT THE POINT OF CONNECTION.
- 2) INSTALLATION INSTRUCTIONS:
HEADS: INSTALL ON FUNNY PIPE SWING JOINTS. SET TO GRADE. BACKFILL IN CLEAN MATERIAL. PROPERLY ADJUST THROW, RADIUS, AND HEAD LOCATION SO THE SPRAY IS NOT DISRUPTED BY THE SHRUBBERY.
VALVES: INSTALL 3 PER STANDARD VALVE BOX. USE DBY SPLICE KITS. HIDE VALVE BOXES IN THE LANDSCAPE WHERE POSSIBLE. INSTALL A 1" QUICK COUPLER ON A GALVANIZED TEE IN AN ECONO VALVE BOX FOR BLOW-OUT, AFTER THE RPD.
CONTROLLER: WALL MOUNT IN A MCKINSTRY ENCLOSURE MODEL 56-20126LP WITH THE A.C. UNIT. RUN A DEDICATED, 115 VAC LINE FOR POWER. MOUNT THE RAIN GAUGE AT THE HIGHEST AVAILABLE, COMMON POINT, FACING THE SUN SO THE ELEMENT WILL PROPERLY DRY. CONTROLLER SHALL BE GROUNDED. RUN CONDUIT FOR ALL ABOVE GROUND WIRES, INCLUDING THE WIRES TO THE RAIN GAUGE.
WATER TAP & BACKFLOW: EXISTING TAP IN CONCRETE VAULT AS SHOWN ON THE PLAN. BACKFLOW IS EXISTENT, NIC. ON UNIONS SO IT CAN BE REMOVED IF NECESSARY. ENSURE THAT THERE IS A PROPERLY FUNCTIONING SHUT-OFF VALVE.
PIPE & WIRE: TRENCH OR PULL 12" DEEP. INSTALL PIPE & WIRE IN THE SAME TRENCHES WHERE POSSIBLE.
- 3) DESIGN IS DIAGRAMMATIC. CONTRACTOR SHALL FIELD LOCATE ALL ITEMS WITHOUT COMPROMISING THE INTEGRITY OF THIS DESIGN. THE SPRINKLER HEAD LOCATIONS SHALL BE CAREFULLY SELECTED IN THE FIELD SO THE SPRAYS OF THE HEAD ARE NOT DISRUPTED BY ANY OF THE PLANTINGS OR SHRUBBERY. USE RISERS WHERE NECESSARY. CONTRACTOR SHALL PROVIDE A 1"=20', ACCURATE PLOT PLAN TO THE OWNER, BEFORE FINAL PAYMENT IS MADE.
- 4) AVERAGE RUN TIMES PER ZONE: 300- 20 MINUTES PER DAY (MIN/DAY); 570- 8 MIN/DAY. END USER SHALL PROPERLY ADJUST RUN TIMES FOR CHANGING FIELD CONDITIONS.
- 5) IRRIGATION CONTRACTOR IS RESPONSIBLE FOR, BUT NOT LIMITED TO THE COMPLETE INSTALLATION OF THIS IRRIGATION SYSTEM. FOLLOW ALL APPLICABLE CODES AND LAWS. CONTRACTOR SHALL NOTIFY DIG-SAFE" IN THE STATE OF MASSACHUSETTS PRIOR TO THE COMMENCEMENT OF WORK. IRRIGATION CONTRACTOR WORK INCLUDES: ATTACHING TO THE EXISTING WATER TAP, CONTROLLER AND RAIN GAUGE INSTALLATION, SLEEVING IF NECESSARY, ALL IRRIGATION WORK, AND RELATED ITEMS. THE OWNER SHALL ENSURE THAT THIS WATER SUPPLY IS ADEQUATE ENOUGH FOR THIS SYSTEM (SEE NOTE #1), PROVIDE THE POWER SUPPLY FOR THE CONTROLLER (115 VAC), AND RELATED ITEMS.

System Designed By:
IDS
Irrigation Design Services

157 Moody Road, Enfield, Connecticut
06082
Tel: (860) 763-3581 Fax: (860) 763-5550

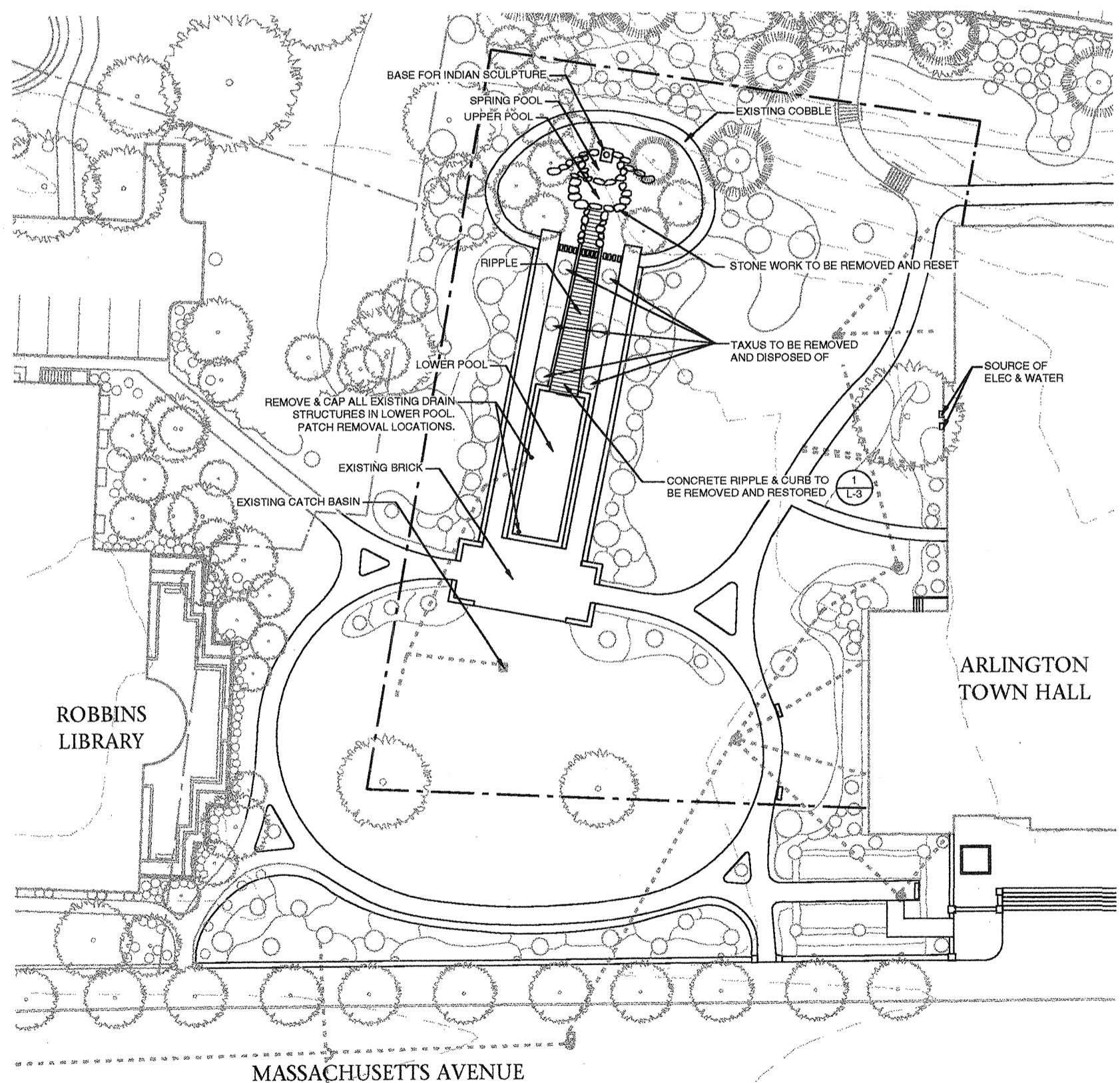
TOWN HALL GARDENS DEM CONTRACT Ph 2A

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617-623-4366 • FAX 617-623-4362

REVISIONS
MASSACHUSETTS
NO. 228
SIGNED
IRRIGATION PLAN
AREA A
DRAWN BY: PL, JR, EB
CHECKED BY: PL
DATE: 3/17/99 **L-5**

WINFIELD ROBBINS MEMORIAL GARDENS HISTORIC RESTORATION PHASE 1-A

**TOWN OF ARLINGTON
MASSACHUSETTS**



EXISTING CONDITIONS & SITE PREPARATION PLAN

DRAWINGS:

- L-1 EXISTING CONDITIONS/ SITE PREPARATION
- L-2 LAYOUT / UTILITIES
- L-3 POOL LAYOUT / DETAILS
- L-4 FOUNTAIN DIAGRAM / DETAILS
- L-5 FOUNTAIN DETAILS
- L-6 DETAILS FOUNTAIN SYSTEM
- L-7 DETAILS

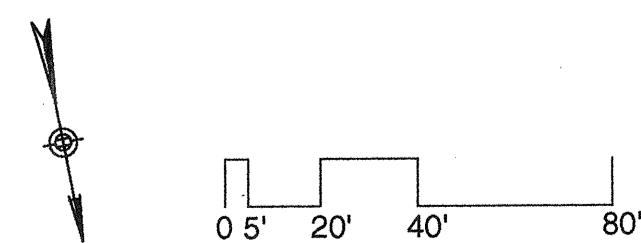
LEGEND:

- EXISTING DECIDUOUS TREE
- EXISTING EVERGREEN TREE
- LIMIT OF WORK
- - - EXISTING DRAIN
- EXISTING CATCH BASIN
- EXISTING DRAIN STRUCTURE

WINFIELD ROBBINS MEMORIAL GARDENS
RESTORATION PHASE 1-A

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REVISIONS:	TITLE: EXISTING CONDITIONS / SITE PREPARATION		
	DRAWN BY: PL/TH	CHECKED BY: PL	DATE: 4/22/98
	L-1		L-1



LEGEND:

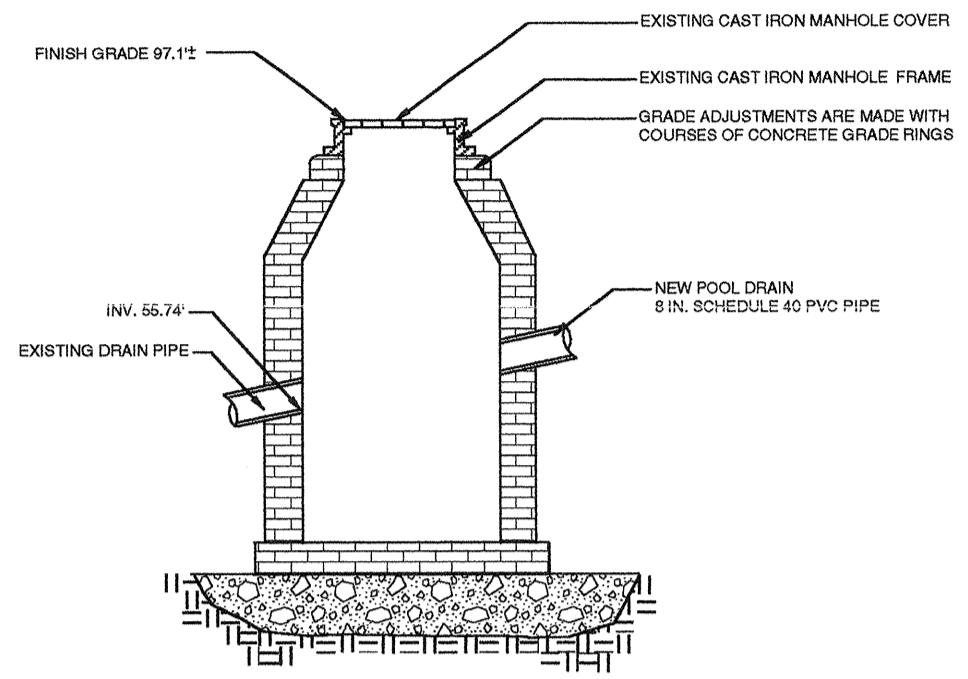
- EXISTING DECIDUOUS TREE
- EXISTING EVERGREEN TREE
- LIMIT OF WORK
- DRAINAGE STRUCTURES FROM ARLINGTON TOWN ENGINEERS PLAN & HOWE SURVEY ASSOC., INC.
- EXISTING CATCH BASIN
- EXISTING DRAIN STRUCTURE
- PROPOSED ELECTRICAL
- PROPOSED DRAIN
- PROPOSED WATER
- PROPOSED SLEEVE

WATER LINES				
RUN*	PIPE	SIZE (DIA)	LENGTH	NOTES
A-1	COPPER	1-1/2"	NA**	**CONNECT TO EX @ T. HALL
A-2	COPPER	1-1/2"	12'	TO BACKFLOW
B	PVC SCHED 80	1-1/2"	125LF	WATER MAKEUP TO FILL
C	PVC SCHED 80	1-1/2"	±65LF	TO FILTER/CHLORINATOR
D	PVC SCHED 80	1-1/2"	±63LF	TO UPPER POOL #1
E	PVC SCHED 80	2-1/2"	52 LF	TO MIDDLE POOL #2
F-1	PVC SCHED 80	2"	65 LF	TO STRAINER
F-2	PVC SCHED 80	4"	65 LF	TO FILTER/CHLORINATOR

DRAIN RUNS				
DRAIN RUN	PIPE	SIZE	LENGTH	INVERTS IN/OUT
A-1	PVC SCHED 40	4"	15LF	FROM POOL #1
A-2	PVC SCHED 40	4"	±63LF	POOL #2-SUMP
B	PVC SCHED 40	4"	±98LF	VULT TO SUMP
C	PVC SCHED 40	8"	116LF	SUMP TO MH

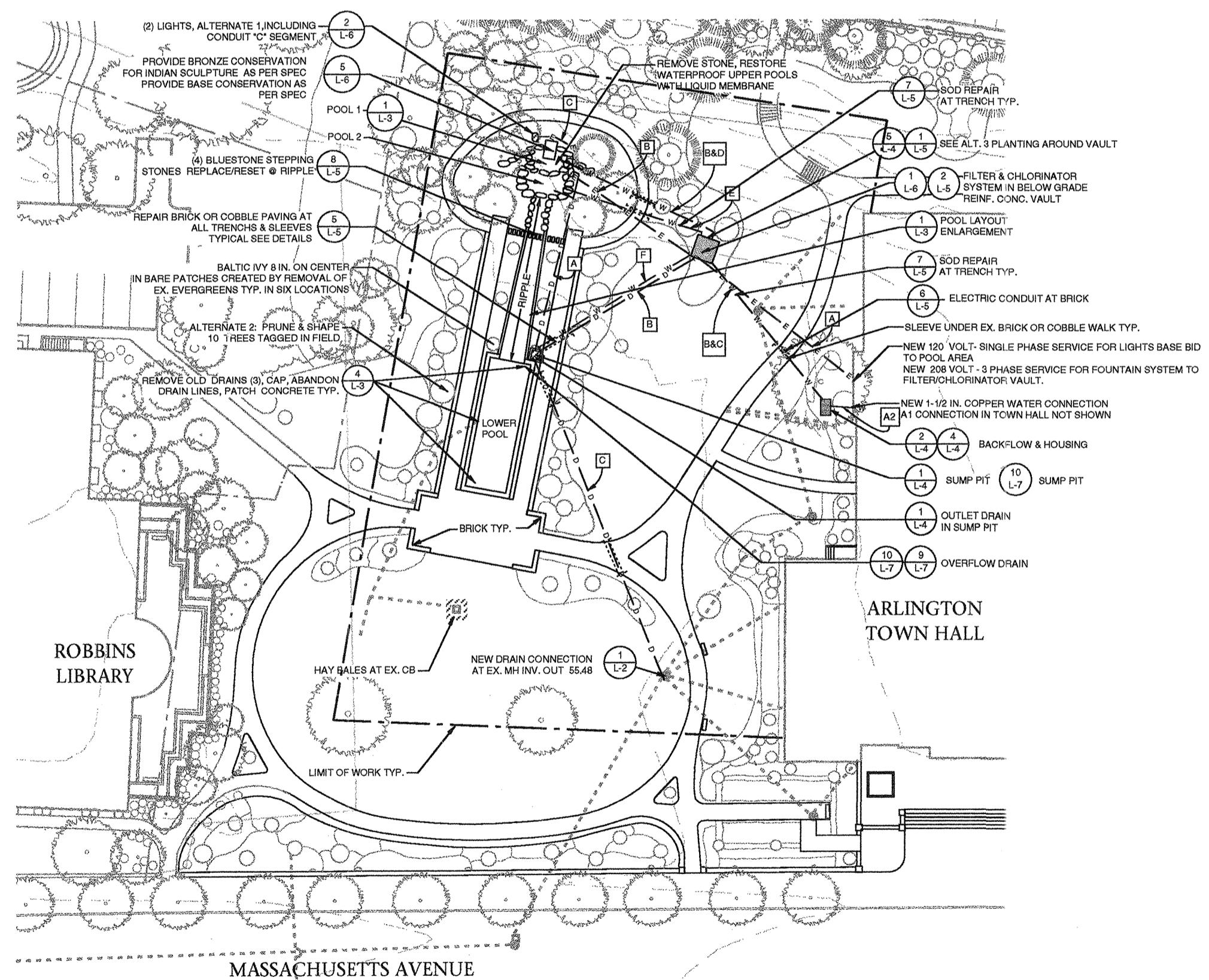
ELECTRICAL			
CONDUIT	SIZE	LENGTH	NOTES
A1-120V-SINGLE PH	PVC SCHED 80	2"	64LF BASE BID
A2 - 208V-3PH	PVC SCHED 80	2"	84LF BASE BID
B - 120V	PVC SCHED 80	2"	70LF BASE BID
C - 120V	PVC SCHED 80	2"	±15LF ALT. 1

*LETTERS CORRESPOND TO PLAN L-2, NOT FOUNTAIN DIAGRAM
**CONTRACTOR SHOULD VERIFY ALL QUANTITIES, MATERIALS AND CONNECTIONS

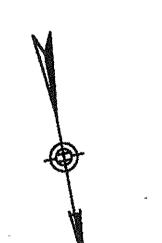


DRAIN CONNECTION TO EXISTING STRUCTURE

SCALE: N.T.S.



GENERAL LAYOUT PLAN



0' 20' 40' 80'

WINFIELD ROBBINS MEMORIAL GARDENS RESTORATION PHASE 1-A

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REVISIONS: TITLE: LAYOUT / UTILITIES
DRAWN BY: PL TH CHECKED BY: PL DATE: 4/22/98 L-2



